



SOCIEDADE BRASILEIRA DE MICROSCOPIA E MICROANÁLISE

BOLETIM INFORMATIVO

Agosto 2003

Diretoria 2002/2004 Presidente: Wanderley de Souza
Vice Presidente (Materiais) : Paulo F. P. Fichtner
Vice Presidente (Biologia): Dorly de Freitas Buchi
Secretário : Carlos Alberto Achete
Tesoureiro : Luiz Henrique de Almeida

ANO 6 Nº 2

MENSAGEM DO PRESIDENTE

Prezados colegas:

Nesse momento, em que se aproxima o XIX Congresso de nossa Sociedade, cabe uma reflexão e uma avaliação sobre as realizações desse período e as perspectivas para o futuro. Embora algumas das propostas apresentadas no Congresso de Águas de Lindóia não tenham se concretizado, me sinto gratificado por passar à futura diretoria da SBMM com um cadastro de 800 sócios, regulares com seus dados atualizados. Neste evento mais um esforço será realizado para melhorar a confiabilidade destes dados. A tesouraria e a secretaria foram incansáveis no sentido de prover a regularidade fiscal e jurídica da Sociedade, o que certamente contribuirá para facilitar o trabalho de seus sucessores.

A comunicação com os sócios foi amplamente agilizada graças às ferramentas da informática. Nesse particular, contamos com o apoio inestimável do secretário da diretoria anterior Alberto Moreira Junior, mantendo a home page da SBMM e atualizando-a. A diretoria anterior não apenas apoiou a atual nesse aspecto, mas foram sempre solícitos no atendimento de quaisquer questões a eles endereçadas.

A proposta de consolidação das regionais em vários estados ainda permanece embrionária. No Rio de Janeiro alguns eventos foram realizados, sempre com grande adesão de vários pesquisadores. Essa integração fortalece a microscopia e resulta não apenas no estabelecimento de colaboração entre pesquisadores de diferentes Institutos, mas termina por gerar editais específicos das agências de fomento estaduais, como é o caso do Instituto Virtual de Nanotecnologia, em vias de organização no Rio de Janeiro.

A regional do Paraná organizou o Evento Mercosul de Microscopia, do qual participaram cerca de 500 pessoas. Em que pese o contingenciamento de verbas com que foi realizado, diversos colegas de países vizinhos puderam participar deste encontro. Esse evento teve caráter bastante inovador, descentralizando o eixo Rio-São Paulo os simpósios temáticos de biologia e materiais e reunindo num mesmo lugar e período as áreas de biologia e o Micromat. Além disso, a partir daí, reorganizou-se a Sociedade Argentina de Microscopia cujo primeiro Congresso ocorrerá em Mendoza ainda este ano (dezembro).

Com tristeza, verifico que não foi possível reeditar o livro de técnicas de microscopia eletrônica aplicadas às ciências biológicas. Vários dos colegas convidados a atualizar seus capítulos não retornaram a solicitação em tempo hábil para a editoração e impressão. Fica aqui uma cobrança implícita. Por outro lado tivemos em 2002 o lançamento do livro Microscopia dos Materiais, do Prof. Walter Arno Mannheimer, que está disponível para os interessados no nosso estande, no congresso .

O XIX Congresso da SBMM volta a ser realizado em Caxambu. Como sempre, procuramos montar um programa onde as mais modernas técnicas de microscopia e suas aplicações às ciências biológicas e de materiais sejam abordadas por pesquisadores nacionais e internacionais de reconhecida importância. A comissão de revisão, à qual aproveito para agradecer, analisou em curto espaço de tempo, cerca de 350 resumos estendidos de ciências biológicas e 200 de ciências dos materiais. Apesar do volume de trabalho, a análise foi rigorosa: resumos que não se enquadravam o escopo da SBMM: aplicações modernas da microscopia óptica – fluorescência, análise de imagem, videomicroscopia, microscopia quantitativa – e de microscopia eletrônica – desenvolvimento de técnicas, aplicação da resposta a questões experimentais – não foram aceitos. Bem como aqueles que de uma maneira geral apresentavam falhas de formatação e conteúdo. Essa população corresponde a cerca de 10% dos trabalhos submetidos. Felizmente, apenas uma pequena parte dos trabalhos submetidos foi recusada. Esperamos que essa parcela seja cada vez menor.

Todos nós, brasileiros, temos esperança de estar ingressando numa era de desenvolvimento e prosperidade, onde o trabalho e o mérito sejam reconhecidos e retribuídos com boas condições de vida e crescimento profissional. De nossa parte, acreditem, procuramos e procuraremos fazer o melhor, como cientistas, como professores e como cidadãos.

Wanderley de Souza
Presidente da SBMM



SOCIEDADE BRASILEIRA DE MICROSCOPIA E MICROANÁLISE



CONVOCAÇÃO DA ASSEMBLÉIA GERAL

De acordo com as atribuições que lhe cabem, segundo o artigo 3 do capítulo IV do seu Estatuto, a Diretoria da SBMM, resolve convocar Assembléia Geral para o dia 23 de setembro de 2003, durante a realização do XIX Congresso da Sociedade Brasileira de Microscopia e Microanálise, em sala a ser determinada, às 18h para deliberar sobre:

- Prestação de contas parcial.
- Eleição da nova diretoria.
- Sede permanente



ENTRE EM CONTATO CONOSCO :

Tire suas dúvidas, mande a sua matéria, este veículo é também um meio para divulgar as atividades das Regionais, notícias e eventos na área de Microscopia.

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NOTÍCIA

XXI REUNIÓN CIENTÍFICA ANUAL DE LA SOCIEDAD DE BIOLOGÍA DE CUYO CELEBRACIÓN DE 10 AÑOS DE BIOCELL REUNIÓN FUNDACIONAL DE LA SOCIEDAD ARGENTINA DE MICROSCOPIA

3, 4, 5 Y 6 DE DICIEMBRE DE 2003 - MENDOZA

Junto com a “XIX Reunión Anual de la Sociedad de Biología Argentina” será feita a “Reunión Fundacional de la Sociedad Argentina de Microscopia”, onde serão submetidos para aprovação os Estatutos da Sociedade Argentina de Microscopia. Esse assunto foi debatido também em Curitiba no “Microscopia e Microanálise no Mercosul”, onde vários pesquisadores argentinos estiveram reunidos.

A SBMM saúda a nova associação Latino Americana de Microscopia.



MELHORES E PIORES PRÁTICAS NA APRESENTAÇÃO DE PAINÉIS

SUGESTÕES COMPILADAS POR MÁRCIA ATTÍAS A PARTIR DO BOLETIM DA AMERICAN SOCIETY FOR CELL BIOLOGY

A montagem de um painel para apresentação em congresso requer tempo e recursos, e não há nada mais triste que não ter seu trabalho apreciado pelos outros congressistas.

As sugestões abaixo podem ajudá-lo a transformar seu poster numa verdadeira obra de arte e num sucesso de público e crítica:

- O título deve ser conciso, evidenciando o assunto. Deixe os detalhes para o resumo. Alguns bons títulos podem enunciar questões (desde que sejam respondidas), ou respostas.
- As fontes do título devem ser, nem muito grandes nem muito pequenas. O título deve ser legível a uma distância de 1,5 a 2 m de distância e não deve ocupar mais de duas linhas.
- Os nomes dos autores e afiliações devem constar abaixo do título, em fontes um pouco menores. É simpático colocar por extenso o primeiro nome de cada um.
- Não imprima o texto ou as legendas como se fossem um manuscrito. Pense em fontes de 20 pt, como primeira escolha, para que sejam legíveis a 1m de distância, aproximadamente. Se necessário, reduza para 18, mas nunca menos de 14 pt. Letras pequenas afastam os possíveis visitantes do seu painel.
- A escolha da fonte também é importante. As mais legíveis, segundo pesquisas, são a Times New Roman, Century, Palatino e similares. As piores escolhas recaem sobre fontes excessivamente criativas como Gothic, Comic Sans etc.
- A impressora deve ser a de melhor qualidade possível e utilizada com a melhor resolução e papel mais adequado. Se insistir em optar pelo plotter, muito cuidado com a resolução final, especialmente de micrografias: pode ser desastrosa!
- Opte sempre por um estilo “clean”, evite a poluição visual. Lembre-se: “less is more”. Caso não consiga incluir todos os dados ou fotos no espaço disponível, prepare um portfólio adicional para mostrar aos visitantes mais interessados em discutir seus resultados.
- Cores. Tanto podem atrair quanto tornar seu poster invisível. Use poucas cores, harmonizadas com os gráficos, tabelas e micrografias. Evite efeitos como manchas, listras, etc.
- Não disponha o texto como se fosse um artigo publicado. Crie seções para Introdução, Materiais e Métodos, resultados e discussão. Isso torna mais leve a leitura e o visitante pode escolher a seção de interesse sem ter de percorrer todo o texto. Neste ponto, os subtítulos podem ajudar bastante. Não esqueça de incluir os créditos às agências financiadoras e agradecimentos. Também é uma boa idéia incluir algumas referências bibliográficas.
- Não esqueça de organizar o poster de modo a facilitar sua colocação. Uma planta com a posição de cada seção lhe será bastante útil.
- Afixe seu poster com antecedência, isto é, antes da sessão ter início. Seja polido e retire-o a tempo de não prejudicar os apresentadores da sessão seguinte. Deixe a área limpa.





SOCIEDADE BRASILEIRA DE MICROSCOPIA E MICROANÁLISE

ANUIDADES

Coloque em dia as suas anuidades. Aproveite a facilidadeoferecidas pelo estande da SBMM, em Caxambu durante o XIX CSBMM. Alguns depósitos na conta da SBMM ainda não foram identificados. Caso o(a) senhor(a) tenha feito o pagamento da anuidade e não esteja na lista, entre em contato com a nossa secretária, Adriana Lusquinhos, e-mail: sbmm@metalmat.ufrj.br. Aqueles que ainda não quitaram as suas anuidades podem obter informações na página da Sociedade ou diretamente com a secretaria. Estamos com cerca de 800 sócios regulares de acordo com o estatuto da SBMM. Neste final de ano aqueles que estão atrasados com a anuidade de 1999 e 2000 receberão uma carta comunicando o desligamento do quadro de sócios.

LISTA DOS SÓCIOS QUE QUITARAM AS ANUIDADES DE 2002

Adrienne P. Fernandes	Durval Rodrigues Júnior	Jose A. P. Diniz Junior	Maria C. V. M. Silva	Rodrigo C. Ventura Pinto
Afonso Reguly	Eda F. L.R. A. Patrício	José Dias Corrêa Junior	Maria E. M. Oshiro	Rodrigo R. L. De Castro
Alcira T. B. De Katzin	Edilson Matos	José Eduardo Serrão	Maria Helena Martini	Rogério de A. Vieira
Aleksandra M. Oliveira	Edna F. Haapalainen	Jose Lino Neto	Maria L. C. L. Alvarez	Romeu R. De Souza
Alice Teixeira Ferreira	Eduardo J. de A. Araújo	Juliana Guzzo Fonseca	Maria M. F. Samperiz	Rosa Maria R. Junqueira
Ana Carolina Stumbo	Edy De L. Montenegro	Juliany C. F. Rodrigues	Maria T. V. A. Oliveira	Rosiléia Ana C. da Costa
Ana Claudia Polli Lopes	Elaine Cristina M. Silva	Júlio César André	Marina A. P. V. S. Santos	Rosmary F. de Moraes
Ana Cristina G. Grodzki	Elaine Gaspar de Souza	Juno Gallego	Marina Fuser Pillis	Rossineide M. da Rocha
Ana Luiza De A. Rocha	Elenice Maria Corrêa	Jurema S. Aguiar Bastos	Mário H. de C. Cabral	Rubem Luis Sommer
Ana Maria B. Martinez	Eliana Feldberg	Jusmar Valentin Bellini	Marisa Santos	Ruben Rosenthal
Ana Maria G. Custódio	Eliana Satiko Mano	Karina Penedo Carvalho	Marlene Benchimol	Ruth Hinrichs
Ana Maria Maliska	Eliane R. Winkelmann	Lais de Carvalho	Marlene Silva de Moraes	Sandra M. Valdeolivas
Ana Maria M. Gaspar	Elisa Aparecida Gregório	Lara Silvia Corradi	Marta Maria Antoniazzi	Sandro Estevan Moron
André Luiz Pinto	Elizabeth R. S. Camargos	Laura S. Okada Nakaghi	Mary Anne Heidi Dolder	Sebastião R. Taboga
Angela Maria F. Falleiros	Elliot W. Kitajima	Leonardo T. Salgado	Matilde Achnaval Elena	Selma Candelaria Genari
Antonio Augusto Couto	Eni Braga Da Silveira	Leonora Tavares Bastos	Maura Da Cunha	Selma Majerowicz
Antonio Carlos Joaquin	Érico Teixeira Neto	Lilian Ferreira De Senna	Mauricio Pereira Cantão	Selma Maria M. Matheus
Antonio Haddad	Eridan De M. Coutinho	Livia Goto Silva	Maurílio Jose Soares	Sergio Henrique Seabra
Antônio H. A. M. Neto	Estela Maria Plastino	Loiva Lizia Antonello	Melissa Q. Cárdenas	Sérgio Luiz Mineiro
Antônio Sesso	Estela Sasso Cerri	Luci Mattar	Miriam F. Z. Scelza	Sergio M. de Oliveira
Augusto A.D.De Mattos	Evander De J. O. Batista	Luciana Nakaghi Ganeco	Misleine A. de Castro	Sérgio P. de Oliveira
Aurelia De F. Mazon	Fábio Barros Britto	Luciane C. Ouriques	Mônica lamonte	Sérgio Ribeiro Teixeira
Aurora M. Cianciarullo	Fábio Lopes Olivares	Luis A. H. Terrones	Nadja Lima Pinheiro	Sergio S. L. De Meirelles
Bianca Ortiz da Silva	Fabiola Alves Dos Reis	Luis Frederico P. Dick	Narcisa L. Da C. E Silva	Severo Sales De Barros
Bruno da Rocha Azevedo	Fernanda C. A. Santos	Luis Rogerio De O. Hein	Neide L. De Azevedo	Sheila Michele Levy
Carla Edialla F. Zaire	Francisco E. Martinez	Luiz Carlos Pereira	Nelson José H. Gallo	Silvana Allodi
Carlos Alberto Achete	Frederico de C. Nunes	Luiz Carlos U. Junqueira	Nivalde Antonio Basso	Silvana G. P. de Campos
Carlos Alberto Miqueloto	Gelsa Edith Englert	Luiz Eurico Nasciutti	Noemi Nosomi Taniwaki	Silvia Souza de Oliveira
Carlos Alberto P. Leite	Geraldo A. G. Cidade	Luiz H. de Almeida	Odilio B. Garrido Assis	Simá Godosevich Katz
Carlos Alberto Redins	Gerhard H. Knörmschild	Luiz Henrique M. Leal	Ortrud M. B. Schatzmayr	Simone M. T. S. Moraes
Carlos Alberto R. Costa	Giovani A. Montesano	Mara Ibis R. Apfel	Otavio V. da Silva Neto	Simone Perche de Toledo
Carlos Nelson Elias	Giovanna Machado	Mara Sandra G. Pivesso	Patricia C. de Almeida	Sonia Nair Bao
Carminda Da C. Landim	Glória Dulce A. Soares	Marcelo De A. P. Silva	Patricia C. De Souza	Sonia Oliveira Souza
Carolina Neumann Keim	Gregorio S. Montes	Marcelo Giannini	Patricia A. G. Redondo	Sueli Nicolau Boaro
Célia Cristina Leme Beu	Guillermo Solorzano	Marcelo H. P. Da Silva	Patricia Santos Matos	Suzana Corte-Real Faria
Celso B. Sant'Anna Filho	Gustavo Conde Menezes	Marcelo Martinez	Patricia S. L. Vilamaior	Suzane M. F. Carvalho
Celso Yaturu Nakamura	Hamilla De Santos	Márcia Attias	Paula Rodrigues Silva	Sylvia Mendes Carneiro
Christiane C. C. Nunes	Hans-Jurgen Kestenbach	Marcia Barbosa Aguila	Paulo A. Abrahamsohn	Tecia M. U. De Carvalho
Christiane Q. Lopes	Helena L. de S.Santos	Marcia C. Kronka	Paulo Cesar Luna	Teresa C. França Sartori
Christina Alves Peixoto	Helena R. C. Segreto	Marcia H. B. Catroxo	Paulo F. P. Fichtner	Terezinha de J. S. Correa
Cintia Bovi Binotti	Helene Santos Barbosa	Marcia Miranda Torrejais	Paulo Marcio F. e Silva	Thais Porto Amadeu
Clarice Terui Kunioshi	Hélio Conte	Marcia R. F. B. Martins	Paulo Sergio Cerri	Tsuneharu Ogasawara
Classius De Oliveira	Henrique Kahn	Marcia Soares Sader	Paulo Sergio T. Brioso	Ulysses G. Casado Lins
Claudia F. N. Docampo	Iakyrá B. C. Bougleux	Marcio R. Morelli	Pedro A. O. Mangabeira	Vera Lucia A. Chagas
Claudia F. O. Machado	Inácio D. Da Silva Neto	Marcos Farina de Souza	Pedro Iris Paulin Filho	Victor Wagner S. Lopes
Claudia Franca Barros	Iraceles Aparecida Laura	Marcos Paulo P. Leis	Pedro Kunihiko Kiyohara	Vivian Reis Corrêa
Claudia Helena Pellizzon	Isabel Cristina Céspedes	Marcos Vasconcellos	Pérsio de Souza Santos	Viviane D. Carneiro
Claudia M. Calvet	Jacénir R. S. Mallet	Maria Alice Martins	Rafael José R. Padilha	Viviane Lopes Da Costa
Claudia Portes Santos	Jair De Campos Soares	Maria Angelica Miglino	Rafael Mariante Meyer	Viviane M. Azambuja
Conceição S. Machado	Jairo Pinheiro da Silva	Maria Angelica Spadella	Raimundo N. C. Pimentel	Wagner Baetas Da Cruz
Constance Oliver	Jeanie N. dos Santos	Maria Aparecida Pinto	Reiner Neumann	Walter A. Mannheimer
Daniela C. Dos Santos	João Carlos A. Almeida	Maria A. Pantoja Ferreira	Rejane Maira Góes	Walter Jose Botta Filho
Daniela de O. Pinheiro	João Carlos M. Suarez	Maria Celia Jamur	Renata Antoun Simão	Wanderley de Souza
Daniela Leite Fabrino	Joao Jose Lachat	Maria C. D. Eiras Pereira	Renato Arruda Mortara	Wellerson R. Scarano
Danielle P. Cavalcanti	Jorge Antônio da P. Cruz	Maria Cristina F. Heuser	Renato Augusto DaMatta	Yur Maria e S. Tedesco
Daura R. Eiras-Stofella	Jorge E. Moreira	Maria Dalva Cesario	Renato Luiz Santos Cruz	Zelia Pimentel A. Ferro
Débora De Q. Tavares	Jorge Ernesto A. Mariath	Maria N. S. L. Meirelles	Ricardo Luiz Smith	Zenilda Laurita Bouzon
Diva Denelle S. Morena	Jorge Trota Filho	Maria O. C. de A.Nono	Ricardo Pereira Louro	
Dominguita L. Graça	José André s M. Díaz	Maria Do C. Gonçalves	Rita De C. R. S. Lapa	
Dorly De Freitas Buchi	José Antônio T. B. Costa	Maria do C. Panhoza Tse	Rita De C. S. G. Coimbra	



SOCIEDADE BRASILEIRA DE MICROSCOPIA E MICROANÁLISE

LISTA DOS SÓCIOS QUE QUITARAM AS ANUIDADES DE 2003

Adriana M. M. S. Souza	Daniela Pacheco Barreiro	Hélio Conte	Maria Angelica Spadella	Renata Filgueiras Soares
Aleksandra M. Oliveira	Daniela Zanchet	Heloisa da Costa Mélo	Maria Aparecida Pinto	Renata Oliveira Pereira
Alex Kors Vidisunas	Danielle F. R. Bisaggio	Humberto S. L. Martins	Maria Célia Jamur	Renata Serra Nascimento
Alexandre Bruni Cardoso	Danielle P. Cavalcanti	Iani Ferreira da Rosa	Maria Cristina M. Motta	Renata T. de Lima
Alice Teixeira Ferreira	Débora De Q. Tavares	Inês Júlia R. Wajsenzon	Maria Dalva Cesario	Renato Arruda Mortara
Aline de Almeida Neves	Deborah H. da Silva Anjos	Isabel Cristina Céspedes	Maria L. A. Rodrigues	Renato de M. Salgado
Aline Tais da Rosa	Denise Espellet Klein	Jairo Pinheiro da Silva	Maria do Carmo P. Tse	Renato L. Santos Cruz
Ana Carolina Stumbo	Doris Moura Campos	Jefferson Leixas	Maria C. V. M. da Silva	Ricardo Gomes Vancini
Ana Cristina Nunes Vidal	Douglas Langies da Silva	Joana B. Silvestre	Maria Etsuko M. Oshiro	Rodrigo O. de Castro
Ana Maria G. Custódio	Edésio José T. de Melo	Joao Jose Lachat	Maria Helena Martini	Rodrigo Paula Leite
Ana R. F. Aguiar Martins	Edna F. Haapalainen	João Marcelo J. Lopes	Maria T. V. A. Oliveira	Romeu R. De Souza
André Figueiredo Reis	Eduardo Alves	Jonas Dias de B. Filho	Mariana de Sá Carneiro	Rossiane C. Vommaro
Andréa Machado Costa	Eduardo F. Monlevade	Jorge José de Carvalho	Mariana R. C. Pinheiro	Rossineide M. da Rocha
Andréia D. de Carvalho	Eduardo José L. Torres	José A. de King Feire	Marina A. P. V. S. Santos	Rubens Bernardes Filho
Antonio Haddad	Edy De L. Montenegro	José A. T. B. da Costa	Marina Marques Pardini	Ruth J. Guse Schadeck
Antônio H. A. M. Neto	Elaine C. M. da Silva	José Augusto O. David	Marina Paes S. Fagundes	Sandra M. Valdeolivas
Areta Priscila de Toledo	Elaine Mello Roiffé	Jose Lino Neto	Marisa Nascimento	Sebastião R. Taboga
Aurora M. Cianciarullo	Eliana Feldberg	José Ricardo C. Salgado	Marisa Santos	Selma Candelaria Genari
Bernardo R. A. Neves	Eliene A. O. N. Romani	Juliana F. Cardoso	Marlene Benchimol	Selma Majerowicz
Bruna Romana de Souza	Elisa Aparecida Gregório	Juliana Lopes Martins	Marlene Silva de Moraes	Sergio Henrique Seabra
Bruno Alves Brandão	Elliot W. Kitajima	Juliana P. Rodrigues	Maurício de J. Noronha	Sergio M. de Oliveira
Bruno A. Cordeiro	Emile Santos Barrias	Juliany C. F. Rodrigues	Maurilio Jose Soares	Severo Sales De Barros
Bruno Oliveira Paiva	Emilio de Castro Miguel	Juno Gallego	Melissa Q. Cárdenas	Sheila Garcia
Camila Cristina Mendes	Emmanuel P. R. Lima	Jurema S. Aguiar Bastos	Miriam Fatima Z. Scelza	Silvana Allodi
Camila F. G. da Silva	Eni Braga Da Silveira	Justmar Valentin Bellini	Moema de A. Hausen	Silvana G. P. de Campos
Camila Maria Lapa	Erika Afonso C. Cortez	Karen Tavares Silva	Mônica lamonte	Silvana Pasetto
Camila V. de S. Lopes	Estela Maria Plastino	Karina Penedo Carvalho	Monique M. Azambuja	Sima Godosevicius Katz
Carla V. M. Rodrigues	Euler Araujo dos Santos	Karla Balzuweit	Nadia C. de O. Miguel	Simone M. T. S. Morais
Carlos Alberto C. Dias	Evaldo Júlio F. Soares	Kátia Maria Farnadas	Nadja Lima Pinheiro	Sonia Maria Oliani
Carlos Alberto Miqueloto	Fabiana Ribeiro da Silva	Lara Silvia Corradi	Neide A. Mariano	Sonia M. R. Vasconcelos
Carlos Alberto P. Leite	Fábio Barros Britto	Laura S. Okada Nakaghi	Neide Kazue Kuromoto	Sonia Nair Bao
Carlos A. R. da Costa	Fábio Lopes Olivares	Leandro L. Soares	Nelson José H. Gallo	Sueli Nicolau Boaro
Carlos M. Lepiński	Fabiola Alves Dos Reis	Lenira C. de M. Campos	Nivalde Antonio Basso	Suzana Bottega Peripolli
Carlos Nelson Elias	Fátima Aparecida Ramos	Leonardo R. de Andrade	Nívea B. dos Santos	Suzana M. F. Carvalho
Carminda Da C. Landim	Fátima Namen	Leonardo T. Salgado	Orlando Chevitarese	Sylvia Mendes Carneiro
Caroline de S. Almeida	Fernanda C. A. Santos	Leonora Tavares Bastos	Ortrud M. B. Schatzmayr	Tatiana A. Pimentel
Caroliny S. Silva Lobato	Fernanda Leve	Leticia Labati Terra	Oswaldo M. Cintho	Teresa C. França Sartori
Célia Cristina Leme Beu	Fernando Galembeck	Lídia Ágata de Sena	Otávio da F. M. Gomes	Terezinha de J. S. Correa
Celso B. Sant'Anna Filho	Filippe J. Mantovanelli	Livia Goto Silva	Paola de B. Carvalhosa	Thais Porto Amadeu
Celso Rijoitsi Sokei	Flávia Castello B. Vidal	Luciana Araújo Couto	Patricia C. de Almeida	Thais Santana Gastardelo
Celso Vaturu Nakamura	Flávia da Cruz Gallo	Luciana B. de Abreu	Patricia Lôbo Guimarães	Thalita Rocha
Christiane de Q. Lopes	Flávia Karina Delella	Luis A. H. Terrones	Patricia Rosa de Oliveira	Thiago Ribeiro Pessanha
Christina Alves Peixoto	Flávio Luiz E. Fonseca	Luis Rogerio De O. Hein	Patricia S. L. Vilamaior	Tsuneharu Ogasawara
Cintia de Sousa Gonzalez	Frederico de C. Nunes	Luiz Carlos Pereira	Paula L. A. de Siqueira	Ulysses G. Casado Lins
Classius De Oliveira	Gabriela R. Figueiredo	Luiz Eurico Nasciutti	Paulo Cesar Luna	Valeska da Rocha
Claudia F. N. Docampo	Gabriella Reis Carrer	Luiz H. de Almeida	Paulo R. Santos Pereira	Vânia A. da Costa
Claudia Maia Souza	Gerhard H. Knörschild	Luiz R. Falleiros Júnior	Pedro A. O. Mangabeira	Vicente Afonso Ventrella
Claudia Portes Santos	Giani França Santoro	Mara Ibis R.s Apfel	Pedro Iris Paulin Filho	Victor W. Silva Lopes
Constance Oliver	Gladys Correa da Silva	Marcelo De A. P. Silva	Pérsio de Souza Santos	Vinicius B. B. Pinto
Cristiane de S. Carvalho	Gustavo A. P. Ciocea	Márcia Attias	Poliana Deolindo	Viviane D. Carneiro
Cristiane França da Silva	Gustavo M. F. da Silva	Marcia Miranda Torrejais	Rafael Mariante Meyer	Walter A. Mannheimier
Daniel Giuliano Cerri	Gustavo Miranda Rocha	Marcia Soares Sader	Rafael Molena Seraphim	Wanderley de Souza
Daniela C. Lourenço	Hans-Jurgen Kestenbach	Márcio J. Mörschbacher	Rafaela Batista Carvalho	Welbert de O. Pereira
Daniela C. Dos Santos	Helena L. de S. Santos	Marcio R. Morelli	Rafaela Gadelha Alves	Wellerson R. Scarano
Daniela de O. Pinheiro	Helena Marques da Silva	Marcos A. Ferreira Randi	Rejane Maira Góes	
Daniela Leite Fabrino	Helena R. C. Segreto	Marcos H. P. Mauricio	Renata C. Hespanhol	

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PROGRAM

Sunday 21/09 (Biology and Materials)	
14:00 - 17:30	Registration
17:30 - 18:00	OPENING SESSION
16:30 - 18:00	Wanderley de Souza, Presidente da SBMM
	“Merit Award” - Orlando Chevitarese
	OPENING LECTURE: - Cryo Electron Microscopy of Individual Macromolecular Complexes: Towards Atomic Resolution. Marin Van Heel (Imperial College of Science Technology and Medicine, London)
19:00 - 20:30	DINNER
20:30 - 22:30	Welcome Reception Commercial Exhibition Opening

The last three digits of each posters' code should be noticed. Posters with odd numbers should be presented on Monday and posters with even numbers on Tuesday.

Monday 22/09 (Biology)		PLENARY TALK (Chair: Helene S. Barbosa, FIOCRUZ, Rio de Janeiro)	
8:30 - 9:30	Calcium Signaling in <i>Toxoplasma gondii</i> , Célia Garcia (USP, São Paulo)		
9:30 - 9:45	COFFEE BREAK		
	PLENARY TALKS (Chair: Marcos Farina, ICB - UFRJ, Rio de Janeiro)		
9:45 - 11:45	Atomic Force Developments, Javier Tamayo (Institute of Microelectronics of Madrid, IMM-CSIC, Spain)		
	Membrane Proteins and Lipids Dynamics by Freeze Fracture and Immuno-Electron Microscopy, Kasuchi Fujimoto (Section of Physiological Anatomy, Fukui Prefectural University, Japão)		
11:45 - 12:30	(Technical session I) 1- ESEM Applications on Materials Science, Daniel Bultreys (FEI Company, Holanda) 2 – Digital Imaging of Bio-medical Specimens, Ming Pan (GATAN, USA)	SBMM Council Meeting	
12:30 - 14:00	LUNCH		
14:00 to 16:00	Round table I: Neurobiology (Chair: Ana Maria Blanco Martinez - ICB/UFRJ, Rio de Janeiro)	Round table II: Reproduction (Chairs: Sonia Bao e Telma Zorn – UNB, Brasília; USP, São Paulo)	
	Circuit Reconstruction in the Cerebral Cortex, Jean Christophe Houzel (ICB/UFRJ, Rio de Janeiro)	Decidualization in Rodents: Role of the Extracellular Matrix, Telma Maria Tenório Zorn (ICB/USP, São Paulo)	
	Study by Confocal Microscopy of Development of the Nerval System, Marcelo Santiago (IBCCF/UFRJ, Rio de Janeiro)	Glicosaminoglicans e Proteoglicans in the Migratory Route of Mice Primordial Germ Cells, Maurício Soto-Suazo (Universidade de Santiago de Chile, Chile)	
	Immunohistochemical Analysis and Quantification of Neurofilament Proteins in Cases of Amyotrophic Lateral Sclerosis, Deise Maria Furtado De Mendonça (ICB/UFRJ, Rio de Janeiro)	Phenotypic Modulation and Functional of Prostatic Smooth Muscle Cells, Hernandes Carvalho (ICB/UNICAMP, Campinas)	
	Changing Sensitivity to Cell Death During Development of Retinal Photoreceptors, Luciana Chiarini (IBCCF/UFRJ, Rio de Janeiro)	Role of Pre-antral Oocytes Embedded in Ovarian Follicles in Biology of Reproduction, Carolina Madeira Lucci (UnB, Brasília)	
16:00 - 16:30	COFFEE BREAK		
	PLENARY TALK (Chair: Narcisa Cunha e Silva, IBCCF- UFRJ)		
16:30 - 17:30	Electron Tomography of Flagella - Daniela Nicastro (University of Colorado Boulder – USA)		
18:00 - 19:00	(Technical session II) 1 - ESEM Applications on Biological Sciences, Daniel Bultreys – (FEI Company, Holanda) 2- Modern Methods of the Determining True Crystal Identities, Patrick Camus (Thermo NORAN, USA)		
19:00 - 20:30	DINNER		
20:30 - 22:30	Poster session I and Commercial Exhibition		

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Monday 22/09 (Materials)		PLENARY TALKS (Chair: Sidnei Paciornick, PUC-Rio, Rio de Janeiro)	
08:30 to 09:30	25+5 min	Nano-Scale Property Measurements using in-situ TEM, Zhong Lin Wang – Center for Nanoscience and Nanotechnology, Georgia Inst. of Technology, USA.	
	25+5 min	Quantitative TEM of SiGe Nanostructures, Wolfgang Jäger – Center for Microanalysis, Faculty of Engineering, Christian-Albrechts-University Kiel, Germany.	
9:30 - 9:45		COFFEE BREAK	
09:45 to 11:45	Electronic & Photonic Materials, (Chair: Paulo F.P. Fichtner, UFRGS, Porto Alegre)		Biological Materials and Polymers, (Chair: André Luiz Pinto - IME, Rio de Janeiro)
	15+5 min	3-D Composition of Epitaxial Nanocrystals by Anomalous X-ray Diffraction: Observation of a Si-rich Core in Ge Domes on Si(100), Gilberto Medeiros Ribeiro (LNLS, Campinas).	15+5 min Microscopy and Microanalysis for the Development of Bone Engineering, Gloria A. Soares (PEMM/COPPE/UFRJ, Rio de Janeiro)
	15+5 min	Microstructure and the Electronic Properties of Nitride Semiconductors, Fernando Ponce (Arizona State University, USA).	15+5 min Osseointegration and Surface of Dental Implants, Carlos Nelson Elias (UFF, Niterói)
	15+5 min	A TEM Study of the Formation and Annealing of Lon-impact-induced Amorphous Zones in Silicon, Steve E. Donnelly (Salford University, England)	15+5 min Fractographic Analysis of Polymeric Materials, João Carlos Miguez (IME, Rio de Janeiro)
	15+5 min	Epitaxial Growth and Morphology in MnAs/GaAs(111)B, Ney Pereira Mattoso (UFPR, Curitiba)	15+5 min SEM Microstructure Observations and XRD Measurements in Ti/hydroxyapatite Powder Sintered Composites, José Brant (INT, Rio de Janeiro)
	15+5 min	Microstructure and Photoluminescence of Ge-Implanted SiO ₂ Layers, João Marcelo J. Lopes (UFRGS, Porto Alegre)	15+5 min Fractographic Inspection of Carbon-epoxy Laminate Composites, Rosana Vilarim da Silva (UFSCar, São Carlos)
	15+5 min	Surface Properties of Vapor-phase Stain Etched Luminescent Porous Silicon, José Alexander K. Freire (UFC, Fortaleza)	15+5 min Morphological Characterization of Polycaprolactone (PCL)/chlorinated Polyethylene (PECL) Blends, Maria do Carmo Gonçalves (UNICAMP, Campinas)
11:45 - 12:30		(Technical session I) 1 - ESEM Applications on Materials Science, Daniel Bultreys (FEI Company, Holanda) 2 – Digital Imaging of Bio-medical Specimens, Ming Pan (GATAN, USA)	SBMM council meeting
12:30 - 14:00		LUNCH	
14:00 to 16:00	Nanostructured Materials (Chair: Daniela Zanchet, LNLS, Campinas)		Microanalysis - GEO (Chair: Pedro Kiyohara, USP, São Paulo)
	15+4min	Nanotechnology of Functional Nanobelts, Zhong Li Wang (Georgia Institute of Technology, USA).	15+5 min POEMA as a Standardless Quantification Tool , Alberto Riveros (Universidade de Córdoba , Argentina)
	10+4min	Crystal Growth in SnO ₂ Nanocrystals - a HRTEM Study Edson R. Leite (UFSCar, São Carlos)	15+5 min Quantitative Analysis of Backscattered Electron Images José B. da Costa (UFSCar, Santa Maria)
	10+4min	Morphological Characterization of SnO ₂ Based Powers containing Iron Oxide Additive, Maria Del Pilar Hidalgo Falla (USP, São Paulo)	15+5 min Aplicações da Microsonda Eletrônica em Geocronologia e Evolução Crustal, Sílvio Vlach (USP, São Paulo)
	10+4 min	Combined SAXS, WAS and TEM studies of Bismuth Aggregation in a Bismuth-Doped Soda-Borate Glass , Guinther Kellerman (LNLS, Campinas)	10+5 min Primary and Secondary Apatite Quantification by Image Analysis using BSE and CL Images, E. S. Mano (USP, São Paulo)
	10+4min	Structural and Magnetotransport Properties of Co/SiO ₂ Granular Multilayers, Juliano C. Denardin (UNICAMP, Campinas)	10+5 min Zeolitization of Brazilian Silicates by Hydrothermal Methods Marisa Nascimento (PEMM/COPPE/UFRJ, Rio de Janeiro)
	10+4 min	Synthesis and Characterization of Hybrid Nanostructures with Defined Morphology, Marcos Malta (USP - São Carlos, São Carlos)	10+5 min SEM and EDS as a Tool for the Characterization of Beach Rocks Cements, Loiva Lizia Antonello (Museu Nacional, UFRJ, Rio de Janeiro)
	10+4 min	Characterization of Semiconductor Colloidal Nanocrystals with HRTEM, Antônio A.R. Neves (UNICAMP, Campinas)	10+5 min Zeolite Formation From Brazilian Kaolin, Nivea Boichat dos Santos (PEMM/COPPE/UFRJ, Rio de Janeiro)
10+4min	Analysis of Pt/C and Pt-Co/C Electrocatalysis for Fuel Cells by HRTEM, José Ricardo C. Salgado (USP- São Carlos, São Carlos)		
16:00 - 16:30		COFFEE BREAK	
PLENARY TALKS (Chair: Walter J. Botta - UFSCar - São Carlos)			
16:30 to 18:00	25+5 min	Synchrotron and Electron Microprobe Analysis Applied to the Study of Lead-acid Batteries, Ian Steele, University of Chicago, USA	
	25+5 min	Electron Backscattering Diffraction (EBSD): Crystallography in the SEM, A. Eades Department of Materials Science and Engineering, Lehigh University USA	
	25+5 min	Profiling the Electrostatic Field and Charge Distributions in InGaN Quantum Wells Using Electron Holography With Near Atomic Resolution, Fernando Ponce – Dep. of Physics and Astronomy, Arizona State University, USA.	
18:00 - 19:00		(Technical session II) 1 - ESEM Applications on Biological Sciences, Daniel Bultreys – (FEI Company, Holanda) 2- Modern Methods of the Determining True Crystal Identities, Patrick Camus (Thermo NORAN, USA)	
19:00 - 20:30		DINNER	
20:30 - 22:30		Poster Session and Comercial Exhibition	

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Tuesday 23/09 (Biology)		PLENARY TALK (Chair: Narcisa Cunha e Silva, IBCCF- UFRJ)
8:30 - 9:30	Cryoelectron Tomography of Eukaryotic Cells and Organelles - Daniela Nicastro, University of Colorado Boulder - USA	
9:30 - 9:45	COFFEE BREAK	
		PLENARY TALK (Chair: Márcia Attias, IBCCF-UFRJ, Rio de Janeiro)
9:45 - 11:45	Revealing the Functioning of the Ribosome by Single Particle Cryo-EM - Marin Van Heel, Imperial College of Science, Technology and Medicine – England	
	Oral Presentation of Selected Papers	
11:45 - 12:30	Round Table - Financing of EM Facilities (Chair: Elliot Kitajima NAP-MEPA-ESALQ, Piracicaba) – Biology and Materials Joint Session	
12:30 - 14:00	LUNCH	
14:00 to 16:00	Round table III: Botany (Chair: Gilberto Amado Filho)	
	Cytochemical and Ultrastructural Aspects of the Ontogenesis of Reproductive Structures and Germination of Spores in Red Algae , Zenilda L. Bouzon (CCB/UFSC, São Carlos)	
	Detection, Localization and Mapping of Compound Elements in Algae: Contribution of Analytical Electron Microscopy , Gilberto M. Amado Filho (Inst. Pesquisas Jardim Botânico, Rio de Janeiro)	
	Ontogeny of the Mucilaginous Cell in Leaves of <i>Araucaria angustifolia</i> – Araucariaceae , Jorge E. A. Mariath & Alexandra A. Mastroberti (IB/UFRGS, Porto Alegre)	
	Coleters: A Secretory Structure in Rubiaceae , Maura da Cunha (CBB/UENF, Campos)	
14:00 to 16:00	Round table IV: Microorganisms (Chair: Thais Souto-Padrón - IMPPG- UFRJ, Rio de Janeiro)	
	The Encystation Process in Giardia Lamblia, a Multiple Approach Adriana Lanfredi Rangel (Instituto de Pesquisas Gonçalo Muniz - FIOCRUZ, Salvador)	
	Microstructure of Bacterial Magnetite by Analytical Electron Microscopy , Ulysses Garcia C. Lins (IMPPG- UFRJ- Rio de Janeiro)	
	The Role of Electron Microscopy on Pathogenic Fungus Studies , Sonia Rozental (IBCCF- UFRJ- Rio de Janeiro)	
	Distribution of <i>Trypanosoma cruzi</i> Stage-Specific Epitopes and the Arrangement of Myofibrillar Components During the Intracellular Life Cycle of the Parasite in Cardiac Tissue After Reactivation of the Disease , Noemi N. Taniwaki (Instituto Adolfo Lutz , São Paulo)	
14:00 to 16:00	Round table V: Arthropods & Helminths (Chair: Reynalda Lanfredi, IBCCF, UFRJ, Rio de Janeiro)	
	Preliminary Description of a New Entomoparasitic Nematode Infecting <i>Lutzomyia longipalpis</i> Fly, the Vector of Leishmanias in the New World , Márcio Sobreira Silva Araújo (Instituto de Pesquisas René Rachou - FIOCRUZ, Belo Horizonte)	
	<i>Wuchereria Bancrofti</i>: Biological and Ultrastructural Aspects , Christina Peixoto (Instituto Aggeu Magalhães, Recife)	
	Ultrastructural and biological Aspects of <i>Diatraea saccharalis</i> , Elisa A. Gregório (Universidade Estadual Paulista Júlio de Mesquita Filho – UNESP, São Paulo)	
	Ultrastructure of Larval Forms of <i>Echinostoma paraensei</i> , Jairo Pinheiro (IB, UFRRJ, Rio de Janeiro)	
16:00 - 16:30	COFFEE BREAK	
		PLENARY TALKS (Chair: Ulysses Garcia C. Lins - IMPPG- UFRJ, Rio de Janeiro)
16:30 - 17:30	Nanomechanics of Biomolecules - Javier Tamayo (Institute of Microelectronics of Madrid, IMM-CSIC – Spain)	
	Optical Tweezers and Video Microscopy to Study Some Problems in Biology - Oscar Nassif Mesquita (UFMG – Belo Horizonte)	
18:00 - 19:00	Assembléia da Sociedade Brasileira de Microscopia e Microanálise	
19:00 - 20:30	DINNER	
20:30 - 22:30	Poster session II and Commercial Exhibition	

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Tuesday 23/09 (Materials)		PLENARY TALKS (Chair: Hans-Jügen Kestenbach, UFSCar - São Carlos)		
08:30	25+5 min	In-situ TEM Studies of Single Ion Impacts on Metal Surfaces, Steve E. Donnelly (Salford University, England)		
09:30	25+5 min	Influence of Internal Dislocation Sources Created by He Ion Implantation on the Relaxation of SiGe Films Grown on Si (100), Martina Luysberg, (Forschungszentrum Jülich, Germany)		
9:30 - 9:45		COFFEE BREAK		
09:45 to 11:45	Electronic, Photonic & Nanostructured Materials, (Chair: Gilberto Medeiros Ribeiro, LNILS, Campinas)	Structural Materials, (Chair: Luiz Carlos Pereira, UFRJ, Rio de Janeiro)		
	15+5 min	TEM Investigations of Damage Induced by High Energy Helium Implantation in 4H-SiC, Marie-Fr. Beaufort (Univ. of Poitiers, France)	15+5 min	The Ridging Phenomena on Ferritic Stainless Steels, Carlos Sérgio da Costa Viana (IME, Rio de Janeiro)
	15+5 min	LACBED and TEM Studies of Dopant Diffusion and Defect Formation in III-V Compound Semiconductors Wolfgang Jäger (Center for Microanalysis, Faculty of Engineering, Christian-Albrechts-University Kiel, Germany)	15+5 min	Precipitation Behavior in an 8090Al-Li base Alloy Subjected to Retrogression and Reaging Treatments, Ana Luiza de Andrade Rocha (DCMM/PUC-Rio, Rio de Janeiro)
	15+5 min	Nanocavity Formation by Ne Implantation in Si, Erwan Oliviero (University of Poitiers, France)	15+5 min	Precipitation Strengthening by Carbonitride Particles in Pearlite, Hans-Jürgen Kestenbach (UFSCar, São Carlos)
	15+5 min	Growth of Cu on Pd (100) Studied by Electrochemical STM, Renata Simão (PEMM/COPPE/UFRJ, Rio de Janeiro)	10+5 min	Eutectic Microstructure Characterization Using Atomic Force and Scanning Electron Microscopies, Rubens Caram (UNICAMP, Campinas)
	15+5 min	He Retention in As-implanted Si and Si _{0.8} Ge _{0.2} /Si(100) Heterostructures, Márcio José Mörschbacher (UFRGS, Porto Alegre)	10+5 min	Depth From Focus Reconstruction from Conventional Light Microscopy as a Tool for Mechanical Failure Analysis, Luis Rogério de Oliveira Hein (UNESP/FEG, São Paulo)
	15+5 min	Synthesis and Characterization of Hybrid Nano-structures With Defined Morphology, Marcos Malta (IQ, São Carlos)	10+5 min	Electronic Microscopy and Microanalysis Applied in the Development of Multifilamentary (Nb,Ta) ₃ Sn Superconductor Wire, João Paulo Barros Machado (DEMAR/FAENQUIL, Lorena)
		10+5 min	Effect of Zinc Ions Substitution on Magnetic Properties of z-type Hexaferrite Obtained by Citrate Precursor Method, Valeska da Rocha Caffarena (COPPE/PEMM/UFRJ, Rio de Janeiro)	
11:45 - 12:30		Round Table - Financing of EM Facilities (Chair: Elliot Kitajima NAP-MEPA-ESALQ, Piracicaba) – Biology and Materials Joint Session		
12:30 - 14:00		LUNCH		
14:00 to 16:00	Microanalysis (Chair: Marcos Z. Vasconcellos, UFRGS, Porto Alegre)			
	15+5 min	Parameter Optimization in Electron Microprobe Analysis (POEMA) - Jorge Trincavelly (Universidade de Córdoba, Argentina)		
	15+5 min	Técnicas e Aplicações da Microsonda Eletrônica (WDS) : Passado e Perspectivas Futuras - Silvio Vlach (USP, São Paulo)		
	15+5 min	Structural and Compositional Analysis of Mineral and Synthetic Crystals Using Synchrotron Radiation and Electron Microprobe Analysis. Ian Steele (The University Of Chicago, USA)		
	10+2 min	Microanalysis of the Precipitation Processes in Alloy 33 (Fe-Cr-Ni-Mo-Cu-N), Viviane Delvaux (Puc-Rio, Rio de Janeiro)		
	10+2 min	Disentangling Precision and Instrumental Noise, Aba Israel Cohen Persiano (UFMG, Minas Gerais)		
	10+2 min	Digital Microscopy Applied to Materials Characterization, Paciornik (Puc-Rio, Rio de Janeiro)		
	10+2 min	EBSD Characterization of a Low Carbon Steel, Mário Henrique Cabral (IME, Rio de Janeiro)		
10+2 min	Microstructural Characterization of a Hot-Rolled Titanium-Stabilized Interstitial-Free Steel, Hugo Ricardo Z. Sandim (FAENQUIL, Lorena)			
16:00 - 16:30		COFFEE BREAK		
16:30 - 18:00		PLENARY TALKS (Chair: Guillermo Solórzano, PUC-RJ)		
16:30	25+5 min	Simulation Of X-Ray Spectra Generated by Kilovolt Electron Bombardment, Francesco Salvat (Universidade de Barcelona, Espanha)		
to	25+5 min	Activated Starin Relief and Ensemble Stability of Heteroepitaxial Ge/Si(100) Quantum Dots, Jeff Drucker (Arizona State Univ., USA)		
18:00	25+5 min	TEAM: A Collaborative Project to Develop the Next-Generation Electron Microscope, Ian Andersen (Metals and Ceramics Division - Oak Ridge National Laboratory, USA)		
18:00 - 19:00		Assembléia da Sociedade Brasileira de Microscopia e Microanálise		
19:00 - 20:30		DINNER		
20:30 - 22:30		Poster Session II and Commercial Exhibition		

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Wednesday - 24/09 (Biology)		
8:30 - 9:30	Oral Presentation of Selected Papers	Oral Presentation of Selected Papers
9:30 – 10:00	COFFEE BREAK	
P L E N A R Y T A L K S (Biology and Materials Joint Session) (Chair: Márcia Attias, IBCCF - UFRJ, Rio de Janeiro)		
10:00 - 11:00	25+5 min	Criação de um Banco de Imagens Digitais, Helene Barbosa (FIOCRUZ, Rio de Janeiro)
	25+5 min	The Heavy Ion Microprobe and its Applications to Biology, Medicine and Materials, Andreas Kreiner (Centro Nacional de Energia Nuclear – Argentina)
11:00 - 12:00	CLOSING SESSION	
12:00 - 13:30	LUNCH	

Wednesday 24/09 (Materials)			P L E N A R Y T A L K S (Chair: Carlos A. Achete (PEMM/COPPE/UFRJ))		
08:30	25+5 min	Visualization of Polymer Structure with Atomic Force Microscopy, Sergei N. Magonov (VEECO, USA)			
09:30	25+5 min	Spectral Imaging: Acquisition, Analysis and Applications, Ian Anderson (Metals and Ceramics Division - Oak Ridge National Laboratory, USA)			
9:30 - 10:00	COFFEE B R E A K				
10:00 to 11:00	P L E N A R Y T A L K S (Biology and Materials Joint Session) (Chair: Márcia Attias, IB-UFRJ, Rio de Janeiro)				
	25+5 min	Organization of a Digital Data Bank for Images, Helene Barbosa (FIOCRUZ, Rio de Janeiro)			
	25+5 min	The Heavy Ion Microprobe and its Applications to Biology, Medicine and Materials, Andreas Kreiner (Centro Nacional de Energia Nuclear, Argentina)			
11:00 - 12:00	CLOSING SESSION				
12:00 - 13:30	L U N C H				

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Posters (Biology)

The last three digits of each posters' code should be noticed. Posters with odd numbers should be presented on Monday and posters with even numbers on Tuesday.

Biominerals

Advances in sample preparation

A SIMPLIFIED METHOD TO EXTRACT AND ISOLATE CALCIUM OXALATE CRYSTALS IN PLANT TISSUES FOR SEM STUDIES
Paiva, E.A.S.; Machado, S.R.; Gregório, E.A.; Basso, N.A.
B0201-001

Analytical microscopy

IRON OXIDE AND IRON SULPHIDE CRYSTALS IN MAGNETOTACTIC MULTICELLULAR AGGREGATES
Keim, C.N.; Lins, U.; Farina, M.
B0205-001
INTERACTION OF HUMAN OSTEOBLASTS WITH SINTERED HYDROXYAPATITE
Corrêa Junior, J.D.; Salem, R.; Rossi, A.L.; Farina, M.
B0205-002

Scanning electron microscopy

CORRELATION BETWEEN MOLLUSK SHELL LENGTH AND CALCIUM CARBONATE POLYMORPHISM
de Paula, S.M.; Silveira, M.
B0209-001
MICROSTRUCTURE AND TEXTURE PATTERN OF Aplacophora spicules SURFACES EXAMINED BY ATOMIC FORCE MICROSCOPY (AFM) AND LOW-VOLTAGE FIELD EMISSION SEM (LV-FESEM)
Cruz, R.; Lins, U.; Farina, M.; Simão, R.; Achete, C.
B0209-002

Videomicroscopy

INTERACTION OF MAGNETOTACTIC BACTERIA WITH FLAGELLATED PROTOZOA: INDUCED MAGNETOTAXIS
Neves, M.; Glielmo, M.; Lins, U.
B0212-001

Botany

Analytical microscopy

SEM VIEW AND EDX ANALYZES OF GENICULATED CORALLINE RED ALGAE (CORALLINALES, RHODOPHYTA) - SUBSIDIES FOR AN EVENTUAL USE IN THE AGRICULTURE
Horta, P.A.; Salles, J.; Bouzon, Z.L.
B0905-001

Cytochemistry / tracers

CYTOCHEMICAL STUDIES IN TETRASPOROGENESIS OF *Laurencia arbuscula* (CERAMIALES, RHODOPHYTA)
Langer, J. R.; Ouriques, L. C.; Bouzon, Z. L.;
B0902-001
CYTOCHEMICAL AND ULTRASTRUCTURAL STUDIES OF TETRASPORE GERMINATION IN *Laurencia arbuscula* (CERAMIALES, RHODOPHYTA)
Ouriques, L. C.; Langer, J. R.; Bouzon, Z. L.
B0902-002
SPORES' GERMINATION OF *Gelidium floridanum* (GELIDIALES, RHODOPHYTA): CYTOCHEMICAL AND ULTRASTRUCTURAL STUDY
Bouzon, Z.L.; Ouriques, L.C.; Monte-Domecq, F.A.
B0902-003
TETRASPOROGENESIS IN *Gelidium floridanum* (GELIDIALES, RHODOPHYTA): CYTOCHEMICAL STUDY
Monte-Domecq, F.A.; Ouriques, L.C.; Bouzon, Z.L.
B0902-004

Scanning electron microscopy

SYSTEMATIC CATALOGUE OF ARBOREAL PLANT POLLEN GRAINS OF SOUTHERN BRAZIL. XXXV: EUPHORBIACEAE - ALCHORNEA, APARISTHMIUM, BERNARDIA AND PERA
Barth, O. M.; Coelho, L. G.
B0909-001
CHANGES IN ROOT ANATOMY OF *Hedyosmum brasiliense* MART. DROUGHT-INDUCED YOUNG PLANTS
Machado, A. V.; Santos, M.; Paulilo, M. T. S.; Fermino Jr., P. C. P.
B0909-002
LEAF STRUCTURAL ASPECTS OF *Guapira opposita* (VELL.) REITZ IN THE ATLANTIC RAINFOREST AND RESTINGA
Fermino Jr., P. C. P.; Santos, M.; Paulilo, M. T. S.; Machado, A. V.
B0909-003
SCANNING ELECTRON MICROSCOPY OF THE SEED COAT IN SOME HERBACEOUS *Phyllanthus* L. (EUPHORBIACEAE)
Machado, C. A.; Oliveira, P. L.; Mentz, L. A.
B0909-004
SEM STUDY OF TRACHEARY ELEMENTS IN THE STEMS OF CYPERACEAE SPECIES
Rodrigues, A. C.; Estelita, M. E. M.; Santos, M.
B0909-005
MICROMORPHOLOGICAL AND ANATOMICAL ASPECTS OF THE LEAF BLADE OF *Aleis floribunda* SCHOTT., *Faramea involuclata* AND *Faramea* sp (RUBIACEAE) OF THE ATLANTIC RAINFOREST IN THE RIO DE JANEIRO STATE
Moraes, T. M. S.; Silva Neto, S. J.; da Cunha, M.
B0909-006
PALINOLOGY OF SPECIES OF LEGUMINOSAE ADANS CAESALPINIOIDEAE FROM THE COASTAL STRAND VEGETATION ("RESTINGA") IN THE STATE OF RIO DE JANEIRO, BRAZIL
Mendonça, C.B.F.; Gonçalves-Esteves, V.
B0909-009
PALINOLOGY OF SPECIES OF LEGUMINOSAE MIMOSOIDAE OCCURRING IN THE PARQUE NACIONAL DA RESTINGA DE JURUBATIBA, RIO DE JANEIRO, BRASIL
Nunes, A.D.; Carrizo, T.T.; Gonçalves-Esteves, V.
B0909-010

PALINOLOGY OF SPECIES OF LEGUMINOSAE PAPILIONOIDEAE FROM THE PARQUE NACIONAL DA RESTINGA DE JURUBATIBA, RIO DE JANEIRO, BRAZIL

Souza, F.C.; Mendonça, C.B.F.; Souza, M.A.; Gonçalves-Esteves, V.
B0909-011

ULTRASTRUCTURE CHARACTERIZATION OF THE POLLEN GRAINS OF *Lepidaploa* R.M. KING & H. ROB. (VERNONIEAE-COMPOSITAE)

Mendonça, C.B.F.; Gonçalves-Esteves, V.; Esteves, R.L.; Gonçalves, N.R.
B0909-012

Transmission electron microscopy

EVIDENCE OF SAPROPHYTIC INTRACELLULAR RHIZOBIA DIVISION IN *Anadenanthera peregrina* VAR. *falcata* NODULE

Gross, E.; Cordeiro, L.; Caetano, F.H.

B0908-001

POLLEN WALL DEVELOPMENT IN *Ilex paraguariensis* A. ST. HIL. (AQUIFOLIACEAE): THE ECTEXINE MATURATION

Santos, R.P.; Mariath, J.E.A.

B0908-002

MORPHOLOGICAL CHANGES OF THE GELLING PULP OF THE PAPAYA FRUIT CAUSED BY PHYSIOLOGIC DISTURBANCE

Campos, I. M.; Coutinho, K. S.; da Cunha, M.; Oliveira, J. G.; Campostrini, E.

B0908-003

ULTRASTRUCTURAL MORPHOLOGY OF *Alibertia sessilis* (Vell.) K. Schum. (RUBIACEAE) COLLETERS

Machado, S. R.; Barreiro, D. P.; Rocha, J. F.

B0908-004

SUB-CELLULAR CHARACTERIZATION OF THE UNIQUE STRUCTURE 'CORPS EN CERISE' FOUND IN THE GENUS *Laurencia* (CERAMIALES, RHODOPHYTA)

Amado Filho, G.M.; Andrade, L.R.; Fujii, M.T.

B0908-005

ANATOMY AND ULTRASTRUCTURE OF COLLETERES FROM THREE SPECIES OF *Bathysa* C. PRESL. (RUBIACEAE) FROM RESERVA BIOLÓGICA DE TINGUÁ, RIO DE JANEIRO

Miguel, E. C.; de Oliveira, M. A.; Klein, D. E.; da Cunha, M.

B0908-006

STIGMA STRUCTURE OF *Psychotria nuda*, A DISTYLOUS SPECIES OF RUBIACEAE FROM ATLANTIC RAIN FOREST

Klein, D. E.; da Rocha, L. S.; Freitas, L.; Silva Neto, S. J.; da Cunha, M.

B0908-007

ULTRASTRUCTURAL ASPECTS OF BULLIFORM CELLS IN TWO "CERRADO" GRASS SPECIES

Alvarez, J. M.; Rocha, J. F.; Machado, S. R.

B0908-008

ELECTRON MICROSCOPIC EVALUATION OF *Darluca filum* ON PLUM LEAVES

Castro, L.A.S. de; Abrantes, V.L.; Rocha, N.E.M.

B0908-009

LEAF ULTRASTRUCTURE OF *Croton compressus* Lam (EUPHORBIACEAE)

Louro, R. P.; Ortiz, B.; Santiago, L. J. M.

B0908-010

ULTRASTRUCTURE AND DEVELOPMENT OF LEAVES OF *Croton macrobothrys* Baill (EUPHORBIACEAE)

Ortiz, B.; Santiago, L. J. M.; Louro, R. P.

B0908-011

Embriology / reproduction

Advances in sample preparation

HISTOLOGY AND SCANNING ELECTRON MICROSCOPY TECHNIQUES FOR FISH EGG ANALYSES

Ganeco, L.N.; Nakaghi, L.S.O.; Mateus, O.; Franceschini-Vicentini, I.B.

B0301-001

Analytical microscopy

TESTICULAR RESPONSE TO THE FINASTERIDE TREATMENT IN THE RODENT *Meriones unguiculatus*

Fernades, G.S.A.; Corradi, L.S.; Egydio, F.M.; Taboga, S.R.; Góes, R.M.

B0305-001

EFFECT OF BUSULFAN ON PRIMORDIAL GERM CELLS OF MOUSE EMBRYOS

Sales, J. V.; San Martin, S.; Soto-Suazo, M.; Zorn, T.M.T.

B0305-002

Immunocytochemistry / molecular probes

DIFFERENTIAL KINETICS OF APOPTOSIS IN THE RAT VENTRAL PROSTATE UNDER DIFFERENT HORMONAL ENVIRONMENTS

Garcia-Florez, M.; Feliciano, D.F.; Carvalho, H.F.

B0304-001

PROTECTIVE EFFECT OF AMIFOSTINE ON THE SEMINIFEROUS EPITHELIUM OF THE PRE-PUBERAL RATS TREATED WITH CISPLATIN

Lirdi, L. C.; Sasso-Cerri, E.; Stumpp, T.; Faria, F. P.; Miraglia, S. M.

B0304-003

KINETICS OF MIGRATION AND COLONIZATION OF HEMATOPOIETIC ORGAN BY MAST CELL PRECURSORS AND VERY IMMATURE MAST CELLS

Guiraldelli, M.F.; Souza-Junior, D.A.; Jamur, M.C.; Oliver, C.

B0304-004

Others

CONTRIBUTIONS TO THE STUDY OF THE CHORIONIC TERMINAL VILLI. COMPARATIVE STUDY IN PLACENTAS OF PATIENTS WITH PREECLAMPSIA AND SYSTEMIC LUPUS ERYTHEMATOSUS

Rocha, C.M.O

B0313-001

MORPHOLOGICAL AND MORPHOMETRIC CHANGES IN THE TESTIS OF AMPHIBIA (*Rana catesbeiana*) DURING THE SEASONAL CYCLE

Sasso-Cerri, E.; Faria, F.P.; Freymüller, E.; Miraglia, S.M.

B0313-002

MORPHOLOGICAL ALTERATIONS AND APOPTOSIS IN RAT TESTES SUBJECTED TO SPERMATIC CORD TORSION

Gabriel, R.J.; Fuller, C.R.; Cordeiro-Mori, F.; Stumpp, T.; Miraglia, S.M.

B0313-003

Scanning electron microscopy

MICROVASCULARIZATION AND CAPILLARY DENSITY OF CORPUS LUTEUM FROM SUPEROVULATED AND CONTROL BUFFALO COWS

Moura, C.E.B.; Campos, D. B.; Pereira, F. V.T.; Oliveira, M.F.; Miglino, M.A.; Papa, P.C.

B0309-001

EMBRYONIC DEVELOPMENT OF PIRACANJUBA *Brycon orbignyanus* FISH
Ganeco, L.N.; Franceschini-Vicentini, I.B.; Nakaghi, L.S.O.
B0309-002

Transmission electron microscopy

THE SMALL PROTEOGLYCAN BIGLYCAN IS ASSOCIATED WITH THICK COLLAGEN FIBRILS IN THE MOUSE DECIDUA

San Martin, S.; Zorn, T. M. T.

B0308-001

CHARACTERISTICS OF THE YOLK SYNCYTIAL LAYER OF THE *Prochilodus lineatus* EMBRYO

Ninhaus-Silveira, A.; Foresti, F.; Azevedo, A.

B0308-002

COMPARATIVE STUDY OF THE EMBRYONARY DEVELOPMENT OF TICK (*Boophilus microplus*) AND SEA URCHIN (*Lytechinus variegatus*) EGGS

Silva, P.R.; Carvalho, R.B.; Pessanha, T.R.; Santos-Neto, L.S.; Oliveira, C.J.L.; Almeida, J.C.A

B0308-003

ULTRASTRUCTURAL ASPECTS OF BROWN SPIDER *Loxosceles intermedia* SPERMATIDS: FIBRILAR ARRANGEMENT OF CHROMATIN DURING THE PROGRESSIVE NUCLEAR COMPACTION

Costa-Ayub, C.L.S.; Faraco, C.D.

B0308-004

OOGENESIS IN THE PLATY *Xiphophorus maculatus* (GUNTHER, 1866)(TELOESTEI:POECILIIDAE): DYNAMICS OF PRIMARY OOCYTE DEVELOPMENT

Benjamin, L. A.; Marcon, L.; Quagio-Grassiotto, I.; Dolder, H.

B0308-005

APOPTOSIS IN THE INVOLUTION OF POSTOVULATORY FOLLICLES OF *Leporinus taeniatus* LÜTKEN, 1874 (PISCES: ANOSTOMIDAE) SUBMITTED TO THE INDUCED SPAWNING

Santos, H.B.; Rizzo, E.; Sato, Y.; Bazzoli, N.

B0308-006

MORPHOLOGICAL AND MORPHOMETRIC CHARACTERISTICS OF THE CAPUT EPIDIDYMIS OF THE GOLDEN HAMSTER

Beu, C.C.L.; Orsi, A. M.; Domeniconi, R. F.; Moreno, M. H.

B0308-007

Entomology

Citochemistry / tracers

MORPHOLOGY OF THE MIDGUT IN THE PREDATORY STINK BUG *Brontocoris tabidus* (HETEROPTERA: PENTATOMIDAE)

Guedes, B.A.M.; Serrão, J.E.; Zanuncio, J.C.; Neves, C.A.

B0402-001

STRUCTURE AND PROTEIN PATTERN IN THE SALIVARY GLAND OF THE OBLIGATE ZOOPHYTOPHAGE STINKBUG *Brontocoris tabidus* (HETEROPTERA, PENTATOMIDAE)

Azevedo, D.O.; Serrão, J.E.; Zanuncio Jr., J.S.; Martins, G.F.; Zanuncio, J.C.; Marques-Silva, S.; Sossai, M.F.

B0402-002

CYTOCHEMICAL DETECTION OF Na⁺ K⁺ ATPase IN THE MALPIGHIAN TUBULES OF *Rhodnius prolixus* AFTER FEEDING

Santos-Mallet, J.R.; Meirelles, M.N.L.; Gonçalves, T.C.M.; Lopes, A.G.; de Souza, W.

B0402-003

Immunocytochemistry / molecular probes

IMMUNOCYTOCHEMICAL IDENTIFICATION OF A PERITROPHIN IN THE MIDGUT OF THE BEE, *Melipona quadrifasciata anthidioides*

(HYMENOPTERA, MELIPONINI), LARVAE

Marques-Silva, S.; Serrão, J.E.

B0404-001

Others

THE NESTS OF REGENERATIVE CELLS DURING THE METAMORPHOSIS IN *Melipona quadrifasciata anthidioides* (MELIPONINI; APIDAE)

Neves, C. A.; Serrão, J. E.; de Brito-Gitirana, L.

B0413-001

Scanning electron microscopy

EGGS ULTRAMORPHOLOGY OF THE BLOWFLIES *Chrysomya megacephala* E *Chrysomya albiceps* (DIPTERA, CALLIFORIDAE)

David, J. A. O.; Rocha, T.; Caetano, F. H.

B0409-001

ULTRAMORPHOLOGICAL FEATURES OF *TELMATOSCOPIUS ALBIPUNCTATUS* (WILLISTON) EGGS (DIPTERA: PSYCHODIDAE)

Rocha, T.; David, J. A. O.; Caetano, F. H.

B0409-002

SCANNING OF THE *Pars Stridens* IN CRYPTIC SPECIES OF *Gryllus*: TAXONOMIC IMPORTANCE

Pereira Jr., J.; David, J. A. O.; Zefa, E.; Fontanetti, C. S.

B0409-003

SCANNING ELECTRON MICROSCOPY STUDY OF THE GOBLET CELL CAVITY IN THE MIDGUT OF *Diatraea saccharalis* LARVAE

Pinheiro, D.O.; Basso, N.A.; Gregório, E.A.

B0409-004

MORPHOLOGICAL ASPECTS OF THE HIND LEGS OF FOUR SPECIES OF THE MELIPONINI GROUP (HYMENOPTERA:APIDAE)

Alves, B.G.R.; Patrício, E.F.L.R.A.; Soares, M.J.

B0409-005

RETENTION SITES FOR *Xylella fastidiosa* INSIDE SHARPSHOOTER VECTORS ANALYZED BY SCANNING ELECTRON MICROSCOPY

Alves, E.; Lopes, J. R. S.; Marucci, R. C.; Pascholati, S. F.; Leite, B.

B0409-006

SCANNING ELECTRON MICROSCOPY OF EGGS OF *Haemagogus capricornii* Lutz

Alencar, J.; Guimarães, A.E.; Mello, R.P.; Lopes, C.M.; Degalier, N.; Santos-Mallet, J.R.S.

B0409-007

MORPHOLOGY OF THE EGGS OF *Podisus nigrispinus* DALLAS (HETEROPTERA:PENTATOMIDAE)

Oliveira, J.A.; Soares, M.J.; Serrão, J.E.; Oliveira, M.G.A.; Zanuncio, J.C.

B0409-008

Special techniques

MORPHOMETRIC STUDY OF THE MIDGUT EPITHELIUM IN THE SUGARCANE BORER (*Diatraea saccharalis*, LEPIDOPTERA)

Pinheiro, D. O.; Silva, R. J.; Quagio-Grassiotto, I.; Gregório, E. A.

B0411-001

Transmission electron microscopy

THE MIDGUT OF SUSCEPTIBLE AND RESISTANT LARVAE OF *Anticarsia gemmatalis* (LEPIDOPTERA): ULTRASTRUCTURE OF THE EPITHELIAL CELL SURFACE

Levy, S. M.; Falleiros, A. M. F.; Moscardi, F.; Gregório, E. A.

B0408-001

ULTRASTRUCTURAL CHARACTERIZATION OF THE HEMOCYTES IN *Diatraea saccharalis* (LEPIDOPTERA) LARVAE PARASITIZED BY THE WASP

Cotesia flavipes (Hymenoptera)

Nunes, C.C.C.; Gregório, E.A.

B0408-002

RELATIONSHIP BETWEEN FLIGHT MUSCLE DEVELOPMENT AND FLIGHT ACTIVITY IN QUEENS IN OF *Apis mellifera* (HYMENOPTERA, APIDAE)

Adade, C. M.; Cruz-Landim, C.

B0408-003

CHEMICAL NATURE AND ABSORPTION ROADS OF THE MATERIAL INCORPORATED TO THE OOCYTE IN THE OVARY OF NURSE WORKERS OF

Melipona quadrifasciata anthidioides (HYMENOPTERA, APIDAE, MELIPONINI)

Paes de Oliveira, V. T.; da Cruz-Landim, C.

B0408-004

ULTRASTRUCTURAL ASPECTS OF *Trypanosoma cruzi* ISOLATES FROM SYLVATIC TRIATOMINES

Silva, E.R.; Silva, C.S.; Gonçalves, T.C.M.; Santos-Mallet, J.R.

B0408-005

FINE STRUCTURE OF THE TESTIS OF TRIATOMINES (HEMIPTERA, REDUVIIDAE) AFTER THE IMAGINAL ECDISIS

Freitas, S.P.C.; Gonçalves, T.C.M.; Costa, J.; Santos-Mallet, J.R.

B0408-006

Helmintology

Others

THE USE OF HIGH-END MICROSCOPY, COMPUTER TECHNIQUES AND INSTRUMENTATION IN THE CREATION OF A HISTOLOGICAL DIGITAL DATABASE FOR THE BIOMEDICAL EDUCATION

Silva-Lopes, V.W.; Santos-Pereira, P.R.; Monteiro-Leal, L.H.

B1013-001

Scanning electron microscopy

Synhimantus (*Dispharynx*) *nasuta* (NEMATODA -SPIRURIDA) MORPHOLOGICAL ASPECTS BY SCANNING ELETRONIC MICROSCOPY

Rodrigues, M.L.A.; Souza, P.C.A.; Silva, W.W.; Lanfredi, R.M

B1009-001

MORPHOLOGICAL CHARACTERIZATION OF *Gnathostoma* sp. (NEMATODA: GNATHOSTOMIDAE) BY SCANNING ELECTRON MICROSCOPY

Lanfredi, R.M.; Lopes, C.W.G.; Florentino, M.V.N.; Albuquerque, G.R.; Rodrigues, M.L.A.

B1009-002

MORPHOLOGICAL STUDIES OF *Pterygodermatites* (*Paucipectines*) *jägerskiöldi* LENT AND FREITAS, 1935 (NEMATODA: RICTULARIIDAE)

PARASITE OF MARSUPIALS BY SCANNING ELECTRON MICROSCOPY

Lopes Torres, E.J.; Maldonado Jr., A.; Lanfredi, R.M.

B1009-003

SCANNING ELETRONIC MICROSCOPY OF *Molicola horridus* (GOODSIR, 1841) DOLLFUS, 1935 (EUCESTODA: TRYPANORHYNCHA)

Knoff, M.; São Clemente, S.C.; Pinto, R.M.; Lanfredi, R.M.; Gomes, D.C.

B1009-004

COMPARATIVE MORPHOLOGY OF THE ASCARIDOID NEMATODE GENERA *Anisakis* DUJARDIN, 1845, *Pseudoterranova* DEARDOFF &

OVERSTREET, 1981 AND *Pseudanisakis* LAYMAN & BOROVKOVA, 1926 BASED ON THE ULTRASTRUCTURE OF THEIR CEPHALIC REGIONS

Santos, C. P.; Lent, L.; Gibson, D. I.

B1009-005

ULTRASTRUCTURAL CHARACTERIZATION OF CERCARIAE OF *Schistosoma mansoni* AFTER TREATMENT WITH CHLOROFORMIC EXTRACT OF

Protosnea malacea

Barbosa, K.P.S.; Peixoto, C.A.

B1009-006

Transmission electron microscopy

STUDY OF *Procamallanus* (*Spirocamallanus*) *halitrophus* (NEMATODA: CAMALLANIDAE) PARASITE OF FLOUNDER BY TRANSMISSON ELECTRON MICROSCOPY

Cárdenas, M. Q.; de Souza, W.; Lanfredi, R. M.

B1008-001

ULTRASTRUCTURAL ANALYSIS OF THE INTESTINAL CELLS OF *Dictyocaulus armfieldi* (NEMATODA-DICTYOCAULIDAE) PARASITE OF EQUINES

Rodrigues, M.L.A.; Bezerra, S.Q.; Pinheiro, N.L.

B1008-002

ULTRASTRUCTURAL ANALYSES OF L3 LARVAE OF *Wuchereria bancrofti* AFTER TREATMENT WITH DIETHYLCARBAMAZINE

Alves, L.C.; Brayner, F.A.; Silva, S.S.; Araújo, H.R.C.; Cavalcanti, M.G.S.; Peixoto, C.A.

B1008-003

Neurobiology

Immunocytochemistry / molecular probes

IMMUNOHISTOCHEMICAL ANALYSIS AND QUANTIFICATION OF NEUROFILAMENT PROTEINS IN CASES OF AMYOTROPHIC LATERAL SCLEROSIS

Mendonça, D. M. F.; Chimelli, L.; Martinez, A. M. B.

B0504-001

ELECTRON MICROSCOPY AND IMMUNOHISTOCHEMISTRY CHARACTERIZATION OF GLIAL CELLS IN THE DORSAL ROOT GANGLIA OF WISTAR RATS

Nascimento, R.S.; Moura-Campos, L.C.; Martinez, A.M.B.

B0504-002

Others

AGE-RELATED CHANGES IN THE NEURONAL DENSITY IN THE DOG'S CAUDAL MESENTERIC GANGLION COMPLEX

Gagliardo, K. M.; Clebis, N. K.; Guidi, W. L.; Balieiro, J. C. C.; de Souza, R. R.; Ribeiro, A. A. C. M.

B0513-003

NITRERGIC AND SOMATOSTATIN - IMMUNOREACTIVE NEURONS IN THE MYENTERIC PLEXUS OF MOUSE COLON

Maifirino, L.B.M.; Oliveira, S.A.; Watanabe, I.; Souza, R.R.; Liberti, E.A.

B0513-004

Transmission electron microscopy

DOES CALPAIN INHIBITOR PREVENT AXONAL DEGENERATION?

Couto, L. A.; Martinez, A. M. B.; Hokoç, J. N.

B0508-001

ULTRASTRUCTURAL FEATURES OF NEUROMUSCULAR JUNCTIONS IN THE PEDAL RETRACTOR MUSCLE OF *Megalobulimus oblongus* (GASTROPODA, PULMONATA)

Rigon, F.; Nóbrega, H. G.; Lopes, C.; Vieira, M. Q.; Achaval, M.; Faccioni-Heuser, M. C.

B0508-002

EFFECT OF BONE MARROW-DERIVED CELLS ON REGENERATION OF TRANSECTED SCIATIC NERVE

Moura Campos, L.C.; Corrêa Junior, J.D.; Lopes, F.R.P.; Vicentini, C.E.; Oliveira, M.P.; Balduino, A.; Langone, F.; Borojevic, R.; Martinez, A.M.B.; Lora, S.

B0508-003

ULTRASTRUCTURAL ANALYSIS OF THE SCIATIC NERVE IN EXPERIMENTAL CHRONIC ENTRAPMENT

Prinz, R.A.D.; Nakamura-Pereira, M.; Fernandes, D.S.; Fabião-Gomes, B.D.V.S.; De-Ary-Pires, B.; Martinez, A.M.B.; Pires-Neto, M.A.; Ary-Pires, R.

B0508-004

THE PHARYNGEAL BULB RETRACTOR MUSCLE CELLS OF THE SNAIL *Megalobulimus oblongus* (GASTROPODA, PULMONATA): AN

ULTRASTRUCTURE APPROACH

Rigon, F.; Nóbrega, H.G.; Lopes, C.; Vieira, M.; Achaval, M.; Faccione-Heuser, M.C.

B0508-005

Others

Confocal microscopy

Colletotrichum acutatum CONIDIA AGING

Carneiro, M. S.; Barbosa, A. C.; Randi, M. A. F.; Buchi, D. F.; Schadeck, R. J. G.

B1106-001

Scanning electron microscopy

GILL FILAMENT SURFACE (SEM) OF THE COMMON SNOOK *Centropomus undecimalis* (PISCES, CENTROPOMIDAE)

Eiras-Stofella, D. R.; Ramos, C. A.; Rocha, M. C. V.; Meurer, M. A. D.; Silva, J. L. S.

B1109-001

MORPHOLOGIC CHARACTERIZATION STUDY WITH LIGHT AND SCANNING ELECTRON MICROSCOPY OF A NEW VASCULAR PROSTHESIS

MANUFACTURED FROM THE NATURAL LATEX OF *Hevea brasiliensis*

Thomazini, J.A.; Grisotto, P.C.; Lachat, J.-J.; Epifânio, S.H.; Coutinho-Neto, J.; Piccinato, C.E.

B1109-002

Transmission electron microscopy

ULTRAELECTRONIC ALTERATIONS IN MOUSE LIVER ENVENOMED WITH BROWN SPIDER (*Loxosceles intermedia*) VENOM

Santos, V.L.P.; Dias, I.G.; Luciano, M.N.; Franco, C.R.C.; Veiga, S.S.; Gremski, W.

B1108-001

CHARACTERIZATION OF LIPOSOMES PREPARED BY ETHANOL INJECTION METHOD BY USING TRANSMISSION ELECTRON MICROSCOPY

Oliveira, C. A.; Moreira, M. R.; Ferreira, M. D. S.; Marlén, J. A.; Maglia, M. T.

B1108-002

Parasitology

Confocal microscopy

DISTRIBUTION OF EPITOPES OF *Trypanosoma cruzi* AMASTIGOTES IN CARDIAC MUSCLE OF *Calomys callosus* INFECTED WITH DIFFERENT SOURCES OF INOCULA

Taniwaki, N.N.; Silva, S.; Fernandes, A.B.; Mortara, R.A.

B0606-001

RELATIONSHIP BETWEEN MITOCHONDRIA OF HOST CELLS AND INTRACELLULAR DEVELOPMENT OF *Toxoplasma gondii*

Beiral, H.J.V.; Melo, E.J.T.

B0606-002

STUDY OF ACIDIC VACUOLES IN ACTIVATED ENDOTHELIAL CELLS DURING INTERACTION WITH *Toxoplasma gondii*

Cortez, E.C.; Stumbo, A.C.; Carvalho, T.M.U.; Barbosa, H.S.; Carvalho, L.

B0606-003

Criotechniques

FURTHER STUDIES OF THE CUTICLE ULTRASTRUCTURE OF *Hassalstrongylus epsilon* (NEMATODE: NIPPOSTRONGYLINAE)

Oliveira-Menezes, A.; de Souza, W.; Lanfredi, A.

B0603-001

INTRACELLULAR TRANSFORMING GROWTH FACTOR-beta SIGNALING PROTEINS, SMAD 2 AND SMAD 3, PRESENT IN *Toxoplasma gondii*

Seabra, S. H.; DaMatta, R. A.; de Souza, W.

B0603-002

Scanning electron microscopy

SCANNING ELECTRON MICROSCOPY ANALYSIS *Tritrichomonas foetus* TREATED WITH POLYAMINE METABOLISM ANTAGONISTS

Santoro, G.F.; Soares, M.J.; Vannier-Santos, M.A.

B0609-001

SCANNING ELECTRON MICROSCOPY ANALYSIS *Tritrichomonas foetus* TREATED WITH POLYAMINE METABOLISM ANTAGONISTS

Santoro, G.F.; Soares, M.J.; Vannier-Santos, M.A.

B0609-001

PENETRATION OF THE SALIVARY GLANDS OF *Rhodnius domesticus* NEIVA & PINTO, 1923 (HEMIPTERA: REDUVIIDAE) BY *Trypanosoma rangeli*

TEJERA, 1920 (PROTOZOA: KINETOPLASTIDA)

Meirelles, R.M.S.; Steindel, M.; Soares, M.J.

B0609-002

MORPHOLOGY OF *Litomosoides* sp. (NEMATODA: FILARIOIDEA) PARASITE OF *Oryzomys ratticeps* (RODENTIA: MURIDAE) BY SCANNING ELECTRON MICROSCOPY

Rosa, I. F.; Maldonado Jr., A.; de Souza, W.; Lanfredi, R. M.

B0609-003

THE INTEGUMENTARY SENSE ORGANS OF THE LARVAE OF *Amblyomma KOCH, 1844* (ACARI: IXODIDAE) BY LIGHT AND SCANNING ELECTRON MICROSCOPY

Barbieri, F. S.; Barros-Battesti, D. M.; Labruna, M. B.; Farnadas, K. M.

B0609-004

ULTRAELECTRONIC EFFECTS INDUCED BY CO-TREATMENT OF *Giardia lamblia* WITH A POLYAMINE ANALOGUE AND METRONIDAZOLE

Maia, C.; Lanfredi-Rangel, A.; de Souza, W.; Vannier-Santos, M. A.

B0609-005

ULTRASTRUCTURAL ANALYSIS OF THE SHEDDING PROCESS IN TRIPOMASTIGOTE FORMS OF *Trypanosoma cruzi*

Siqueira, P. L. A.; Souto-Pradrón, T.

B0609-006

OOCYSTIS ULTRASTRUCTURAL ANALYSIS OF *Plasmodium vivax* IN THE MIDGUT OF *Anopheles aquasalis*

Ferreira, M.A.P.; Póvoa, M.M.; Rocha, R.M.; Pimenta, P.F.P.

B0609-007

ATYPICAL RED RING DISEASE IN THE STATE OF RIO DE JANEIRO

Magalhães, J.A.S.; Amorim, L.M.; Miguens, F.C.; Moura, J.I.L.

B0609-008

Hamaniella sp (ARCHIACHANTOCEPHALA : PHOSTERORRINCHINAE) PARASITE OF *Thylamys* sp (MARSUPIAL) FROM PANTANAL

MATOGROSSENSE - BRAZIL

Anjos, D. H. S.; Maldonado Jr., A.; Lanfredi, R. M.

B0609-009

Transmission electron microscopy

THE ULTRASTRUCTURE OF THE MIRACIDIUM OF *ECHINOSTOMA PARAENSEI* (LIE & BASCH, 1967) (TREMATODA: ECHINOSTOMATIDAE)

Pinheiro, J.; Maldonado Jr., A.; Lanfredi, R.M.

B0608-001

THE EFFECT OF TOPOISOMERASE II INHIBITORS ON THE KINETOPLAST ULTRASTRUCTURE OF SOME TRYPANOSOMATIDS

Cavalcanti, D.P.; Guimarães, P.L.; Fragoso, S.P.; de Souza, W.; Goldenberg, S.; Motta, M.C.M.

B0608-002

INTRACELLULAR DEVELOPMENT OF *TOXOPLASMA GONDII* IN PRESENCE OF NATURAL DRUGS THAT ARREST CELL CYCLE

Carvalho, C. S.; Góes, A. J. S.; Melo, E. J. T.

B0608-003

HEMOCYTES RECOVERING OF *Chrysomya megacephala* AFTER YEASTS INFECTION

Faraldo, A. C.; Lello, E.

B0608-005

INIBITORS ACTION OF NEW DRUGS ON INTRACELLULAR DEVELOPMENT OF *Toxoplasma gondii*

Pessanha, C.S.; Góes, A.J.S.; Melo, E.J.T.

B0608-006

EFFECTS OF DIFFERENT ERGOSTEROL BIOSYNTHESIS INHIBITORS ON THE ULTRASTRUCTURE OF PROMASTIGOTE FORMS OF *LEISHMANIA*

AMAZONENSIS

Rodrigues, J. C. F.; Lorente, S. O.; Gilbert, I. H.; de Souza, W.

B0608-008

MORPHOLOGICAL AND ULTRA-STRUCTURAL ANALYSIS OF THE SALIVARY GLANDS OF THE TICK *Rhipicephalus sanguineus* (Latreille, 1806)

(ACARI: IXODIDAE) COLLECTED IN ARGENTINA

Oliveira, P. R.; Lamonte, M.; Bechara, G. H.; Camargo-Mathias, M. I.

B0608-009

AN ULTRASTRUCTURAL STUDY OF BULGARIAN PROPOLIS AGAINST *Trypanosoma cruzi*

Dantas, A.P.; Salomão, K.; de Castro, S.L.; Barbosa, H.S.

B0608-011

ULTRAESTRUCTURAL EFFECTS OF POLYAMINES ANALOGUES ON *Leishmania amazonensis*

Valentim, C.; Mello, F.G.; de Souza, W.; Vannier-Santos, M.A.

B0608-012

ULTRASTRUCTURAL ASPECTS OF GP72 NULL MUTANT CELL OF EPIMASTIGOTE FORM OF *Trypanosoma cruzi*

Miranda-Rocha, G.; de Souza, W.; Carvalho, T. M. U.

B0608-013

ULTRASTRUCTURAL CHARACTERIZATION OF SKIN LESION IN HAMSTER EXPERIMENTALLY INFECTED WITH *Leishmania (Viannia) lainsoni*

Corrêa, J. R.; Brazil, R. P.; Soares, M. J.

B0608-014

THE MOTILITY OF THE *Echinostoma paraensei* (TREMATODA: ECHINOSTOMATIDAE) MIRACIDIUM

Pinheiro, J.; Campanati, L.; Attias, M.; Lanfredi, R.M.

B0608-015

Videomicroscopy

Tritrichomonas foetus PSEUDOCYSTS ADHERE TO VAGINAL EPITHELIAL CELLS AS REVEALED BY VIDEO-ENHANCED-CONTRAST MICROSCOPY

AND OTHER TECHNIQUES

Mariante, R. M.; Benchimol, M.

B0612-001

Patology and programmed cell death

Analytical microscopy

MATING DELAY INCREASE CELLULAR DEATH IN QUEENS OF *Apis Mellifera* L. (Hymenoptera, Apidae)

Berger, B.; Abdalla, F.C.; Cruz-Landim, C.

B0705-001

Citochemistry / tracers

SPONTANEOUS LESIONS IN PROSTATE EPITHELIUM DURING AGING GERBIL

Campos, S.P.; Goés, R.M.; Taboga, S.R.

B0702-001

Criotechniques

PHOSPHATIDYL SERINE EXPOSURE, NUMBER CHANGE IN NUCLEAR PORE COMPLEX, AND EFFECTORS MECHANISMS OF *in vitro* CHICKEN

THROMBOCYTES APOPTOSIS

Ferreira, M.V.; Lassounskaia, E.; DaMatta, R.A.

B0703-001

Immunocytochemistry / molecular probes

AN IMMUNOCYTOCHEMICAL DETECTION OF ANNEXIN 1 EXPRESSION IN NASAL POLYPS MAST CELLS AND EOSINOPHILS

Sena, A. A. S.; Fernandes, A. M.; Oliani, S. M.

B0704-001

EXPRESSION OF ANTI-INFLAMMATORY PROTEIN ANNEXIN 1 IN MAST CELLS OF HUMAN LARYNGEAL SQUAMOUS CELL CARCINOMA

Silistino-Souza, R.; Christian, H.C.; Raposo, L.S.; Maniglia, J.V.; Cury, P.M.; Oliani, S.M.

B0704-002

APOPTOSIS PATHWAYS IN THE VISUAL SYSTEM OF THE CRAB *Ucides cordatus* AFTER EXPOSURE TO UV RADIATION

Wajsenzon, I.J.R.; Takiya, C.M.; Allodi, S.; Miguel, N.C.O.

B0704-003

Others

HISTOLOGICAL ASPECTS OF EARLOBE KELOIDS

Amadeu, T.P.; Braune, A.S.; Porto, L.C.; Costa, A.M.A.

B0713-001

MYOFIBROBLASTS AND MAST CELLS DISTRIBUTION DURING CUTANEOUS WOUND HEALING AFTER SYMPATHETIC DENERVATION

Souza, B.R.; Cardoso, J.F.; Amadeu, T.P.; Porto, L.C.; Desmoulière, A.; Costa, A.M.A.

B0713-002

CIGARETTE SMOKE EXPOSURE DIFFERENTLY AFFECTS WOUND CLOSURE AND GRANULATION TISSUE IN MOUSE STRAINS

Cardoso, J. F.; Souza, B.R.; Amadeu, T.P.; Valença, S.S.; Porto, L.C.; Costa, A.M.A.

B0713-003

Transmission electron microscopy

EFFECTS OF CADMIUM ON THE RATS TONGUE DORSAL MUCOSA, DURING LACTATION: ULTRASTRUCTURAL STUDY

Picoli, L.C.; Watanabe, I.; Lopes, R.A.; Sala, M.A.; Picoli, F.

B0708-001

ULTRASTRUCTURAL FINDINGS FOR SKELETAL MUSCLE MITOCHONDRIA IN MITOCHONDRIAL MYOPATHIES

Silveira, E. B.; Lima, M. I.; Kalil, R. K.

B0708-002

CELL DEATH IN *Diatraea saccharalis* (LEPIDOPTERA:PYRALIDAE) GERMARIUM: ULTRASTRUCTURAL ASPECTS

Santos, D.C.; Gregório, E.A.; Silva de Moraes, R.L.M.

B0708-003

ULTRASTRUCTURAL ANALYSIS OF ANTICARSIA GEMMATALIS M NUCLEOPOLYHEDROVIRUS INFECTION IN LARVAL HAEMOCYTES FROM THE VELVETBEAN CATERPILLAR ANTICARSIA GEMMATALIS (HÜBNER) (LEPIDOPTERA:NOCTUIDAE)

Silveira, E. B.; Cordeiro, B. A.; Ribeiro, B. M.; Bão, S. N.

B0708-004

ULTRASTRUCTURAL STUDY OF APOPTOSIS IN LARVAL HAEMOCYTES FROM THE VELVETBEAN CATERPILLAR *Anticarsia gemmatalis* (HÜBNER) (LEPIDOPTERA:NOCTUIDAE) INDUCED BY MUTANT BACULOVIRUSES

Cordeiro, B. A.; Silveira, E. B.; Ribeiro, B. M.; Bão, S. N.

B0708-005

CRUDE VENOM OF *Bothrops jararaca* INDUCES PROGRAMMED CELL DEATH IN EPIMASTIGOTES OF *Trypanosoma cruzi*

Deolindo, P.; Teixeira-Ferreira, A.S.; Melo, E.J.T.; Arnholdt, A.V.; de Souza, W.; Alves, E.W.; DaMatta, R.A.

B0708-006

Protozoology, microbiology, virus

Analytical microscopy

BACTERIAL DIVERSITY IN RESIDUES OF A PRIMARY HEAVY METAL PRODUCER PLANT: CHARACTERIZATION OF CADMIUM RESISTANCE OF THE ISOLATED BACTERIAL STRAINS

Martins, J.L.; Amaral-Sobrinho, N.M.B.; Lins, U.; Rosado, A.S.

B0805-001

Cytochemistry / tracers

AN ULTRASTRUCTURAL STUDY OF *Toxoplasma gondii* ENDOCYTTIC ACTIVITY

Ferreira-da-Silva, M.F.; Barbosa, H.S.

B0802-001

FUSION OF LYOSOMES WITH PARASITOPHORUS VACUOLE CONTAINING *Trypanosoma rangeli* IN *Rhodnius prolixus* INFECTED PLASMATOCYTES

de Oliveira, M.A.; de Souza, W.

B0802-003

Confocal microscopy

DYNAMICS OF LIPID BODIES DURING THE FORMATION OF *Colletotrichum acutatum* SECONDARY CONIDIA

Randi, M. A. F.; Buchi, D. F.; Schadeck, R. J. G.

B0806-001

LIPID BODIES MOBILIZATION DURING GERMINATION OF *Colletotrichum acutatum* CONIDIA MONITORED THROUGH CONFOCAL ANALYSIS

do Carmo, A. E.; de Souza, C. F.; Mendes, J.; Randi, M. A. F.; Buchi, D. F.; Schadeck, R. J. G.

B0806-002

Correlative microscopy

REDISTRIBUTION OF CYTOPLASMIC ORGANELLES IN LLCMK2 CELLS INFECTED WITH *Toxoplasma gondii*: MITOCHONDRIA

Magno, R.C.; Straker, L.C.; Attias, M.

B0807-001

Immunocytochemistry / molecular probes

LOCALIZATION OF HEPATITIS C VIRUS RNA IN RHESUS MONKEY LIVER USING LIGHT AND ELECTRON MICROSCOPY IN SITU HYBRIDIZATION

Majerowicz, S.; Grief, C.; Ferguson, D.; Airano, R.C.; Baptista, M.L.; Pinto, M.A.; Barth, O.M.

B0804-001

ULTRASTRUCTURAL LOCALIZATION OF CENTRIN IN *Giardia lamblia*

Correa, G.; Benchimol, M.

B0804-002

HIGH VIMENTINE EXPRESSION IN THE MONOCYTE OF THE LIZARD *Ameiva ameiva* (REPTILIA: TEIIDAE) INFECTED WITH A HAEMOGREGARINE

Silva, E. O.; Diniz, J. P.; Lainson, R.; de Souza, W.; DaMatta, R. A.

B0804-003

Others

BENTHIC FAUNA OF CILIATES FROM SEPETIBA BAY (RIO DE JANEIRO-BRAZIL) WITH DESCRIPTION OF *Pseudokeronopsis* sp. (HYPOTRICHEA, UROSTYLIDA)

Wanick, R. C.; Silva-Neto, I. D.

B0813-001

OPTICAL MICROSCOPY OBSERVATIONS AND DIAGNOSIS OF *Apoamphiella jurubatiba* sp. n. (CILIOPHORA: HYPOTRICHEA)

Paiva, T. S.; Silva-Neto, I. D.

B0813-002

Scanning electron microscopy

BIOFILM OF *Streptococcus mutans* AS OBSERVED ON HYDROXYAPATITE-COATED TITANIUM BY MEANS OF SCANNING ELECTRON MICROSCOPY

Pires, A. G.; Guastaldi, A. C.; Pizzolitto, E. L.

B0809-001

BIOFILM FORMATION ON LATEX CATHETER

Camargo, G. P. de A.; Pizzolitto, E. L.

B0809-002

FUNIS: NEW VISUALIZATION BY HIGH-RESOLUTION SCANNING ELECTRON MICROSCOPY (FESEM)

Piva, B.; Benchimol, M.

B0809-003

SURAMIN TREATMENT INDUCES MORPHOLOGICAL CHANGES IN *Trypanosoma cruzi* TRYPOMASTIGOTES

Bisaggio, D.F.R.; Pinto, R.C.V.; Campanati, L.; Souto-Padrón, T.

B0809-004

CONTRIBUTION OF HIGH RESOLUTION (FIELD EMISSION) SCANNING ELECTRON MICROSCOPY TO THE STUDY OF THE CYTOSKELETON OF *Giardia lamblia*

Campanati, L.; Bittencourt-Silvestre, J.; Labati-Terra, L.; Sant'Anna, C.; Lourenço, D.; de Souza, W.

B0809-005

CRYSTALS ASSOCIATED WITH *Erythricium salmonicolor* IN CITRUS

Assis, R.DE.; Nogueira, N.L.; Luz, E.D.N.M.; Rossi, M.L.

B0809-006

Transmission electron microscopy

ULTRASTRUCTURAL ASPECTS OF MICROSPORIDE SPORE PARASITING *Gymnorhamphichtys rondoni* FROM AMAZONIC ICTIOLOGIC FAUNA

Matos, E.; Matos, P.; Giese, E.; Corral, L.; Azevedo, C.

B0808-001

ULTRASTRUCTURAL STUDY ON POXVIRUS DURING SWINE VARIOLA OUTBREAK OCCURRED IN THE CITY OF BREJINHO DE NAZARÉ, TOCANTINS, BRAZIL

Catroxo, M.H.B.; Bersano, J.G.; Curi, N.A.; Villalobos, E.M.C.; Leme, M.C.M.; Martins, M.C.F.; Portugal, M.A.S.C.

B0808-002

ULTRASTRUCTURAL ANALYSIS OF RESIDENT GUT CROP BACTERIA OF NEWLY EMERGED AND SUGAR-FED *Aedes Aegypti*

Pessanha, T. R.; Almeida, J. C. A.; Berbert-Molina, M. A.; Lemos, F. J. A.

B0808-003

ULTRASTRUCTURAL MODIFICATIONS IN CYANOBACTERIA (*Microcystis* sp.) CAUSED BY CHLOROSIS

Carvalho, R.B.; Meireles, D.A.; Almeida, J.C.A.; Schripsema, J.; Dagnino, D.

B0808-005

THE CAUDAL MICROTUBULAR COMPLEX OF *Giardia Lamblia*: ULTRASTRUCTURE AND MOTILITY

Carvalho, K.P.; Travassos, R.; Monteiro-Leal, L.H.

B0808-006

ULTRASTRUCTURE OF *Toxoplasma gondii* TREATED WITH ERGOSTEROL BIOSYNTHESIS INHIBITORS

Dantas-Leite, L.; Lemgruber, L.; de Souza, W.; Vommaro, R.

B0808-007

Phytophthora staheli, CULTURE OF THE ETIOLOGIC WILT AGENT IN COCONUT

Keller, D.G.; Magalhães, J.A.S.; Miguens, F.C.

B0808-008

ARE THERE CONNECTIONS BETWEEN THE CYTOSKELETON AND THE ENDOCYTIC PATHWAY OF *Trypanosoma cruzi*?

Porto-Carreiro, I.; Sant'Anna, C.; de Souza, W.; Cunha-e-Silva, N.

B0808-009

EFFECT OF LYSOPHOSPHOLIPIDS ANALOGUES AGAINST *Leishmania* (L.) *amazonensis*

Santa-Rita, R.M.; Barbosa, H.S.; de Castro, S.L.

B0808-011

ULTRASTRUTURAL EFFECTS OF BETA-LAPACHONE DERIVATIVES AGAINST *Trypanosoma cruzi*

Menna-Barreto, R.F.S.; Pinto, A.V.; Soares, M.J.; de Castro, S.L.

B0808-012

EFFECTS OF *Stryphnodendron adstringens* ON ULTRASTRUCTURES OF PROMASTIGOTE FORMS OF *Leishmania amazonensis*

Maza, P. K.; Tiunan, T. S.; Ueda Nakamura, T.; Dias Filho, B. P.; Mello, J. C. P.; Morgado-Díaz, J. A.; Nakamura, C. V.

B0808-013

ULTRASTRUCTURAL ALTERATIONS INDUCED BY AZ-7, A COMPOUND ISOLATED FROM *Pedilanthus tithymaloides* ON AMASTIGOTE FORMS OF *Trypanosoma cruzi*

Luize, P. S.; Ueda-Nakamura, T.; Zimmermann, A.; Vidotti, G. J.; Dias Filho, B. P.; Morgado-Díaz, J. A.; Nakamura, C. V.

B0808-014

ULTRASTRUCTURAL DATA OF *Amazonspora hassar* (MICROSPORIDIA), PARASITIZING *Hassar orestis* (TELEOSTEI) ON AMAZONIC REGION

Matos, E.; Matos, P.; Santos, M.; Corral, L.; Azevedo, C.

B0808-016

Structural biology (Cells, tissues and organs)

Advances in sample preparation

MINERALIZATION OF CALCIUM CARBONATES IN THE PRESENCE OF PROTEINS FROM FISH OTOLITHS USING AN OPTICAL TWEEZERS MICROSCOPE

Oliveira, M. M. M.; Keim, C. N.; Kurtenbach, E.; Farina, M.

B0101-001

Analytical microscopy

EFFECT OF THERAPEUTIC ULTRASOUND ON NORMAL MOUSE DERMIS AND EPIDERMIS: A QUALITATIVE AND QUANTITATIVE EVALUATION

Capelo, L. P.; Lopes, C.; Zorn, T. M. T.

B0105-001

SEM AND EDS CHARACTERIZATION OF DIFFERENT ANIONIC COLLAGEN SCAFFOLDS FOR BONE REPAIR

Moreira, P.L.; Santos Jr., A.R.; Genari, S.C.

B0105-002

EFFECTS OF CANOVA ON MOUSE PERITONEAL MACROPHAGES

Kurogi, A.S.; Barboza, L.E.D.; Oliveira, S.M.; Oliveira, C.C.; Cavazzani, L.F.M.; Buchi, D.F.

B0105-003

LUNG MORPHOMETRY IN RATS TREATED WITH INTRAPERITONEAL NICOTINE

Hora, K.; Fonseca, A. S.; Valença, S. S.; Santos, R.; Porto, L. C.

B0105-004

MORPHOLOGY AND HISTOCHEMISTRY OF THE BUCO-PHARINGE AND ESOPHAGUS OF *Pseudoplatystoma fasciatum* DURING ITS EARLY ONTOGENY

Flores-Quintana, C. I.; Tesser, M. B.; Portella, M. C.

B0105-005

Cytochemistry / tracers

CYTOCHEMICAL CHARACTERIZATION OF POLYPOIDS NUCLEI IN SALIVARY GLANDS OF *Triatoma infestans* (TRIATOMINAE, HETEROPTERA)

Anhê, A. C. B.; Morielle, A.; Azeredo-Oliveira, M. T. V.

B0102-001

ULTRAESTRUCTURAL LOCALIZATION OF CALCIUM IN *Crithidia deanei*

Fonseca, J. G.; Almeida, J. C. A.; Motta, M.C.M.

B0102-003

SECRETORY RHYTHM OF THE DUFOUR GLANDS IN BEES: *Apis Mellifera* LINNÉ, 1758 AND *Melipona bicolor* Lepeletier, 1836 (HYMENOPTERA: APINI, MELIPONINI)

Abdalla, F.C.; Cruz-Landim, C.

B0102-005

CULTURE OF MICE PERITONEAL MACROPHAGES WITH HOMOLOGOUS SERUM CAUSED INDUCTION OF LIPID BODIES

Lobato, C. S. S.; Monteiro, V. G.; DaMatta, R. A.

B0102-006

ANTI-CANCER DRUGS AND STEROIDS THERAPIES AS INDUCTOR OF CERAMIDE ACCUMULATION PROSTATE GLAND

Taboga, S.R.; Falleiros-Jr, L.R.; Santos, F.C.A.; Corradi, L.S.; Góes, R.M

B0102-007

STEREOLOGICAL EVALUATION OF HORMONAL EFFECTS IN RAT VENTRAL PROSTATE

Vilamaior, P.S.L.; Merighi, M.T.; Taboga, S.R.; Carvalho, H.F.

B0102-008

STRUCTURE AND MORPHOMETRY OF PUBERTAL GERBIL (*Meriones unguiculatus*) VENTRAL PROSTATE AFTER HORMONAL THERAPY

Scarano, W.R.; Cordeiro, R.S.; Góes, R.M.; Taboga, S.R.

B0102-009

MAST CELLS ARE PREFERENTIALLY LOCALIZED IN THE DISTAL EPIPHYSIS OF RAT FEMORAL BONE MARROW

Souza-Junior, D.A.; Guiraldelli, M.F.; Jamur, M.C.; Oliver, C.

B0102-010

SURFACE CHARGE CHARACTERIZATION OF MACROPHAGES ACTIVATED *in vivo* BY CARRAGEENAN AND LPS

Nacife, V.P.; Soeiro, M.N.C.; Gomes, R.N.; D'Avila, H.; Meirelles, M.N.L.

B0102-011

CALCIUM DISTRIBUTION ON MUSCULAR FIBERS EXPOSED TO *Bothrops jararacussu* VENOM

Calil-Elias, S.; Tomaz, M.A.; Fernandes, F.F.A.; Corrêa Junior, J.D.; Melo, P.A.; Martinez, A.M.B.

B0102-012

EVALUATION OF HUMAN OSTEOBLASTIC CELLS CULTURED ON POLY (CAPROLACTONE/NAFION) BLENDS

Crevelaro, M. A.; Juazeiro, P. P.; Cassu, S. N.; Zoppi, R. A.; Felisberti, M. I.; Santos Jr., A. R.

B0102-013

ADHESION PATTERN OF hFOB 1.19 CELLS *in vitro*

Pinho, F.O.; Joazeiro, P.P.; Santos Jr., A.R.

B0102-014

Confocal microscopy

DINAMIC OF LIPID BODIES IN MOUSE PERITONEAL MACROPHAGES ACTIVATION BY CANOVA, OBSERVED AT CONFOCAL MICROSCOPY

Lopes, L.; Schadeck, R.J.G.; Buchi, D.F.

B0106-001

IMMUNOLOCALIZATION OF AMYLASE IN THE MIDGUT ENTEROCYTES OF *Periplaneta americana* (DICTYOPTERA, BLATTIDAE)

Lima, H.; Cruz, M.V.; Terra, W.R.; Ribeiro, A.F.

B0106-002

MODIFICATIONS IN CYTOSKELETON THROUGH THE FORMATION OF BLEBS IN MICE CULTURED ILEUM SMOOTH MUSCLE CELLS EXPOSED TO GAMMA RADIATION

Moraes, A.A.F.S.; França, J.P.; Trindade, E.S.; Segreto, H.R.C.; Oshiro, M.E.M.; Pedroso, M.Z.; Silva, M.R.R.; Nader, H.B.; Ferreira, A.T.; Paredes-Gamero, E.J.; Nunes, R.O.; Pinhal Jr., P.; Egami, M.I.

B0106-003

MORPHOLOGICAL CHARACTERIZATION OF SKELETAL MYOFIBROBLASTS OF RATS FOETUS, *in vitro*

Pereira, R.O.; Rodrigues, J.P.; Carvalho, T.M.U.; Barbosa, H.S.; Porto, L.C.; Carvalho, L.

B0107-003

Correlative microscopy

SPATIAL RELATIONSHIPS OF CELLS WITHIN MAGNETOTACTIC MULTICELLULAR AGGREGATES

Silva, K.T.; Keim, C.N.; Abreu, F.; Martins, J.L.; Rosado, A.S.; Farina, M.; Lins, U.

B0107-001

CORRELATION OF ULTRASOUND IMAGES FROM THE RAT INFARCTED HEART WITH HISTOLOGY, SCANNING AND ANALYTICAL ELECTRON MICROSCOPY

Ribeiro, K.C.; Engelke, F.L.P.; Mattos, E.C.; Farina, M.; Carvalho, A.C.C.

B0107-002

Criotechniques

Giardia UNDER FREEZING: IMPROVED ULTRASTRUCTURAL DESCRIPTION OF ENDOPLASMIC RETICULUM AND GLYCOCALIX BY CRYOTECHNIQUES

Vancini, R.G.; Mariante, R.M.; Benchimol, M.

B0103-001

Immunocytochemistry / molecular probes

EXPRESSION OF GALECTIN-1 AND GALECTIN-3 IN NEUTROPHILS AND ENDOTHELIAL CELLS DURING INFLAMMATORY PROCESSES INDUCED BY CARRAGEENIN

Gil, C.D.; Perretti, M.; Oliani, S.M.

B0104-001

IMMUNOGLOBULINS EXPRESSION IN THE INTRAEPITHELIAL PLASMA CELLS IN THE COPULATORY ORGAN OF THE DRAKE (*Anas platyrhynchos*)

Oliveira, A. G.; Oliveira, C. A.; Caixito, F.; Mahecha, G. A. B.

B0104-002

EFFECTS OF BULLFROG OIL ON THE NUMBERS, LIPID PROFILE, PHAGOCYtic CAPACITY, VIABILITY AND CYTOKINE PRODUCTION OF PERITONEAL CELLS

Silva, L. P.; Curi, R.; Azevedo, R. B.

B0104-003

EFFECTS OF MATERNAL ETHANOL INTAKE ON IMMUNOEXPRESSION OF EPIDERMAL GROWTH FACTOR IN ENAMEL FORMATION OF RAT MANDIBULAR MOLAR

Sant'Anna, L.B.; Tosello, D.O.; Pasetto, S.; Barbosa, S.C.P.; Romani, E.A.N.

B0104-004

IMMUNOLOCALIZATION OF EGF, TGF- β 1 AND CSF-1 IN THE PERIODONTUM OF LOWER INCISOR OF RATS

Pasetto, S.; Novaes, P.D.; Romani, E.A.N.; Barbosa, S.C.P.; Sant'Anna, L.B.

B0104-005

SCANNING ELECTRON MICROSCOPY AND FIBRONECTIN DISTRIBUTION OF VERO CELLS TREATED WITH ANTINEOPLASIC TAMOXIFEN
Barbieri, G. N. F.; Genari, S. C.

B0104-006

SPATIAL AND TEMPORAL PATTERN OF EXPRESSION OF DECORIN AND BIGLYCAN DURING MOUSE ORGANOGENESIS

Miqueloto, C. A.; Candeloro, L.; San-Martin, S.; Soto-Suazo, M.; Zorn, T. M. T.

B0104-007

DEVELOPMENT OF A CELLULAR MODEL TO STUDY OF CYSTOGENESIS, *in vitro* AND DETECTION OF GLYCOPROTEINS IN TISSUE CYSTS OF *Toxoplasma gondii*

Guimarães, E. V.; Acquarone, M.; Carvalho, L.; Barbosa, H. S.

B0104-008

ULTRASTRUCTURAL COMPARISON BY SEM OF APOPTOSIS AND NECROSIS PROCESSES IN V79 CELLS, CAUSED BY TAMOXIFEN (TAM) *in vitro*

Petinari, L.; Genari, S.C.

B0104-009

LOCATION OF MYOSINS V AND VI IN OVARIES OF BEES (HYMENOPTERA, APIDAE) DURING VITELOGENESIS

Patrício, K.; Cruz-Landim, C.; Calábria, L.K.; Espindola, F.S.

B0104-010

EXPRESSION AND SPACE-TIME DISTRIBUTION OF FOLLISTATIN IN THE MICE UTERUS DURING THE FIRST HALF OF PREGNANCY

Candeloro, L.; Pellegrini, C.M.R.; Zorn, T.M.T.

B0104-011

GAP JUNCTIONS DISTRIBUTION IN MICE EMBRYOS CARDIOMYOCYTES PRIMARY CULTURE DURING *in vitro* INFECTION WITH *Trypanosoma cruzi*

Adesse, D.; Melo, H.C.; Santos, A.; Nogueira, A.R.; Velloso, C.E.P.; Silva, L.M.; Costa, J.D.; Meirelles, M.N.L.

B0104-012

CHARACTERIZATION OF THE COMPARTMENTS OF THE ENDOCYTIC PATHWAY IN EVOLUTIVE FORMS OF *T. cruzi*

Silva, C. F.; Batista, D. G. J.; Mota, R. A.; Meirelles, M. N. L.; Meuser, M. B.; Henriques-Pons, A.; Soeiro, M. N. C.

B0104-013

FINE STRUCTURE, IMMUNOCYTOCHEMISTRY AND BIOCHEMICAL ANALYSIS OF HEMOCYTES FROM A PRIMITIVE CHORDATE: A POSSIBLE ANCESTOR OF THE MAMMALIAN MAST CELL

Barros, C.M.; Andrade, L.R.; Cavalcanti, M.C.M.; Strauss, A.H.; Takahashi, H.K.; Allodi, S.; Pavão, M.S.G.

B0104-014

ULTRASTRUCTURAL CHANGES OF MITOCHONDRIA AND APOPTOSIS OF SMOOTH MUSCLE OF COLON OF AGED RATS

Lopes, G.S.; Mora, O.; Cerri, P.S.; Faria, F.P.; Jurkiewicz, N.H.; Jurkiewicz, A.; Smaili, S.S.

B0104-016

STEPS IN THE CELLULAR IRON ENDOCYTIC PATHWAY AND THE HEME SYNTHESIS IN VERTEBRATES

Cianciarullo, A. M.; Pelajo-Machado, M.; Spring, H.; Beçak, W.; Trendelenburg, M. F.

B0104-017

CELL PROLIFERATION IN THE DIGESTIVE TRACT OF *Melipona quadrifasciata anthidioides* (HYMONOPTERA; MELIPONINA) DURING THE POSTEMBRYONIC DEVELOPMENT

Martins, G. F.; Serrão, J. E.; Neves, C. A.

B0104-018

Others

HISTOLOGICAL DESCRIPTION OF THE INK GLAND OF THE TROPICAL SEA HARE *Aplysia dactylomela* RANG, 1828 (GASTROPODA : OPISTHOBRANCHIA)

Bezerra, L. E. A. ; Melo, V. M. M.; Carvalho, A. F. U.; Silva, J. R. F.

B0113-002

TOTAL AND DIFFERENTIAL COUNTING OF THE HEMOCYTES IN *Anticarsia gemmatilis* (LEPIDOPTERA: NOCTUIDAE) LARVAE INOCULATED WITH *Baculovirus anticarsia*

Andrade, F. G.; Negreiro, M. C. C.; Cortez, M. M.; Silva, V. B.; Falleiros, Â. M. F.

B0113-003

EFFECTS OF THE TOPIC APPLICATION OF *Bufo ictericus* VENOM ON THE MICROVASCULATURE OF THE HAMSTER CHEEK POUCH: PRELIMINARY ANALYZE

Brito, F.M.E; Coelho, F.C.; de Brito-Gitirana, L.

B0113-004

DETECTION OF NEUTRAL GLYCOPROTEINS IN THE EPITHELIAL CELLS OF MIDGUT OF THE *Anticarsia gemmatilis* (Lepidoptera: Noctuidae) LARVAE

Cortez, M.M.; Andrade, F.G.; Negreiro, M.C.C.; Silva, V.B.; Arrebola, N.R.; Falleiros, A F.

B0113-005

EYEBALL OF THE TOAD (*Bufo ictericus*) AND OF THE GIANT BULLFROG (*Rana catesbeiana*) (AMPHIBIA, ANURA): A UNIQUE CHOROIDAL POLARIZED HYALINE CARTILAGE AS SUPPORTING TISSUE

Jesus Santana, A.S.; Carvalho e Silva, S.P.; de Brito-Gitirana, L.

B0113-006

ACTION OF *Crotalus durissus terrificus* VENOM IN CYTOSKETON OF CHO-K1 CELL

Tamietti, B.F.P; Pacheco Soares, C.; Cogo, J.C

B0113-007

ANALYSIS OF THE MELANOMACROPHAGE CENTERS IN THE SPLEEN OF THE FISH *Cyphocarax gilbert* (CURIMATIDAE, TELEOST) INFESTED BY THE PARASITE *Riggia paranensis* (CYMOTHOIDEA, CRUSTACEA)

Meirelles, M.E.; Azevedo, J.S.; Gomes da Silva, L.; Salgado, R.M.; Silva, I.I.C.; Dansa-Petretski, M.; Sirotheau-Corrêa, T.J.; Lima, N.R.W.

B0113-008

THE ARRANGEMENT AND DISTRIBUTION OF THE BLOOD VESSELS OF THE ENAMEL ORGAN OF THE RAT MOLAR TOOTH GERMS

Cerri, P.S.; Faria, F.P.; Villa, R.G.; Katchburian, E.

B0113-009

IRON UPTAKE INTO *Leishmania* ACIDOCALCISOMES

Miranda, K. R.; Docampo, R.; Grillo, O.; Attias, M.; Franzen, A. J.; Vercesi, A.; Plattner, H.; Hentschel, J.; de Souza, W.

B0113-010

CELL PROLIFERATION IN GASTRIC MUCOSA IN PATIENTS WITH *Helicobacter pylori* CHRONIC GASTRITIS

Silva, G.M.F.S.; Motta, J.S.; Costa, A.M.A; Muzzi, M.; Porto, L.C.

B0113-011

COMPARATIVE MORPHOMETRY OF THE PROSTATIC COMPLEX IN THE GERBIL (*Meriones unguiculatus*)

Cardoso, A.B.; Góes, R.M.; Taboga, S.R.

B0113-012

HISTOLOGY OF THE SPLEEN OF THE MUÇUÁ *Kinosternon scorpioides* (Chelonia: Kinosternidae)

Pereira, J. G.; Sousa, K. R.; Abreu-Silva, A. L.; Melo, F. A.; Costa, A. D. C

B0113-014

EXPRESSION OF THE TRANSFORMING GROWTH FACTOR BETA ISOFORMS AND RECEPTORS IN GASTRIC MUCOSA OF SUCKLING RATS EFFECTS OF HYDROCORTISONE

Ogias, D.; Andrade de Sá, E.R.; Alvares, E.P.; Gama, P.

B0113-015

EFFECTS OF BLACK-EYED PEA TRYPSIN/CHYMOTRYPSIN INHIBITOR (BTCI) ON SPLEEN AND ON BLOOD LEUKOCYTE COUNTS OF MICE
Joanitti, G. A.; Silva, L. P.; Azevedo, R. B.; Freitas, S. M.

B0113-016

HISTOLOGICAL STUDY OF THE STOMACH AND INTESTINES OF THE PORCUPINE *Coendou prehensilis* (RODENTIA: ERETHIZONTIDAE)
Parca, R.M.; Delgado, S.M.; Azevedo, R.B.; Marinho-Filho, J.S.; Garcia, M.P.

B0113-017

EXPRESSION OF TENASCIN-C DURING CELL MIGRATION AND CHONDROCYTE DIFFERENTIATION
Sirotheau-Correa, T.J.; Salgado, R.M.; Silva, I.I.C.; Pedrosa, B.; Carvalho, A.V.; Conreiras, E.C.; Oliveira, P.

B0113-018

MORPHOLOGICAL OBSERVATIONS ON THE TESTES OF *Physalaemus cuvieri*, *P. fuscomaculatus* AND *P. nattereri* (ANURA, LEPTODACTYLIDAE)
Oliveira, C.; Zieri, R.

B0113-019

HISTOLOGY: A HELPFUL TECHNICAL SKILL TO NATURAL RESOURCES MANAGEMENT PROGRAMS IN BRAZIL - SERIES: MOLLUSCS
Araújo, C.M.M.Y.; Machado, F.C.R.; Schneider, M.; Nunes, C.G.; Magalhães, A.R.M.; Matos, J.

B0113-021

TEMPORAL AND SPATIAL DISTRIBUTION OF COLLAGENS II AND IX DURING ENDONCHONDRAL OSSIFICATION: AN IMMUNOHISTOCHEMICAL APPROACH

Sirotheau-Correa, T.J.; Salgado, R.M.; Nogueira, L.C.; Silva, I.I.C.; Guedes, P.T.; Seixas, S.I.L.; Cardoso, L.F.L.

B0113-022

ACTION OF PHOTODYNAMIC THERAPY IN ENDOPLASMIC RETICULUM OF HEP-2 CELLS

Sousa, G.; Silva, N. S.; Pacheco-Soares, C.

B0113-023

EXPRESSION OF Fc gamma R IN MURINE SKIN FIBROBLASTS

Mota, K. A.; Hespanhol, R. C.; Baetas, W. C.; Soeiro, M. N. C.; Meirelles, M. N. S. L.; Henriques, A.; Corte-Real, S.

B0113-024

SELF-ASSEMBLY OF PII *Herbaspirillum Seropedicae* OBSERVED BY ATOMIC FORCE MICROSCOPY

Ferreira, C. F. G.; Camargo, P. C.; Benelli, E. M.

B0113-025

STRUCTURAL AND QUANTITATIVE ASPECTS OF SERTOLI CELLS IN THE GERMINAL COMPARTMENT OF THE TELEOST, *Serrasalmus spilopleura* (Characiformes, Characidae)

Nóbrega, R.H.; Quagio-Grassiotto, I.

B0113-026

CELLULAR DEATH AFTER PHOTODYNAMIC THERAPY WITH CHLOROALLUMINIUM PHTHALOCYANINE-LIPOSOMAL AND ZINC PHTHALOCYANINE

Martines, N. S.; Martinkovics, C. T.; Tedesco, A. C.; Silva, N. S.; Pacheco Soares, C.

B0113-027

THE USE OF MICROSCOPY IMAGES AS TEMPLATES FOR SCIENCE EDUCATION IN CELL BIOLOGY

Meirelles, R.M.S.; Cardona, T.S.; Mendes, C.L.S.; Henriques-Pons, A.; Aguiar, L.E.; Coutinho, C.M.L.M.; Meirelles, M.N.L.; de Castro, S.L.; Barbosa, H.S.; Araújo-Jorge, T.C.

B0113-031

LEARNING THROUGH INQUIRY AND DISCOVER: INTRODUCING MEMBRANE AND MITOCHONDRIA CONTENTS USING THE EDUCATION GAME "CELULA ADENTRO-DISCOVERING THE CELL"

Cardona, T. S.; Spiegel, C. N.; Alves, G. G.; Lee, I.; Henriques-Pons, A.; Araújo-Jorge, T. C.

B0113-032

BIODIGITAL: A DIGITAL IMAGE DATABASE TO ORGANIZE AND FACILITATE THE ACCESS TO MICROSCOPIC IMAGES, TO PRESERVE MEMORY AND TO PRODUCE EDUCATION MATERIALS

Cardona, T.S.; Ávila, B.; Ballester-Gil, L.M.; Luz, M.R.M.P.; Benevides, D.; Guarany, P.; Tucherman, L.; Meirelles, R.M.S.; Trajano, V.; Oliveira, D.; Araújo-Jorge, T.C.; Barbosa, H.S.

B0113-033

Radioautography

REGENERATION OF THE CORNEAL EPITHELIUM IN RABBIT EYES

Barbosa, F. L.; Laicine, E. M.; Sousa, S. J. F.; Haddad, A.

B0110-001

Scanning electron microscopy

DETAILED DESCRIPTION OF A CYTOSKELETAL STRUCTURE OF *Giardia lamblia* BY THE USE OF CYTOSKELETON EXTRACTION/PRESERVATION TECHNIQUES ASSOCIATED TO HIGH RESOLUTION FIELD EMISSION SCANNING ELECTRON MICROSCOPY (HRFESEM) AND TRANSMISSION ELECTRON MICROSCOPY

Labati-Terra, L.; Campanati, L.; Bittencourt-Silvestre, J.; Attias, M.; de Souza, W.

B0108-065

MICROSCOPIC STUDIES REVEAL PIT-LIKE STRUCTURES AT LEAF EPIDERMAL SURFACES IN *Sophronis cernua* LDL. (ORCHIDACEAE)

Widholzer, C. F. N.; Mariath, J. E. de A.; Knox, J. P.

B0109-001

HIGH RESOLUTION SCANNING ELECTRON MICROSCOPY OF THE ACINI AND DUCTUS OF THE SUBMANDIBULAR GLANDS OF OLD RATS

D'Avola, T. E.; Watanabe, I.; Ignácio, E.; Céspedes, I.C.

B0109-002

SCANNING ELECTRON MICROSCOPICAL ANALYSIS OF A CONTINUOUS HUMAN MALIGNANT GLIOMA CELL LINE

Machado, C.M.L.; Gonçalves, E.M.; Genari, S.C.; Tamashiro, W.M.S.C.; Verinaud, L.

B0109-003

in vitro MORPHOLOGICAL TRANSFORMATION AND ALTERATIONS IN THE GROWTH PATTERN OF VERO CELLS INDUCED BY CISPLATIN TREATMENT

Gonçalves, E.M.; Genari, S.C.

B0109-004

ULTRAMORPHOLOGY OF THE VENOM GLANDS AND ITS HISTOCHEMICAL RELATIONSHIP WITH THE CONVOLUTED GLANDS OF *Polistes versicolor* (HYMENOPTERA, VESPIDAE)

Britto, F. B.; Caetano, F. H.

B0109-005

ULTRAMORPHOLOGICAL CHARACTERIZATION OF THE VENOM GLAND IN WORKERS OF *Neoponera villosa* ANTS (HYMENOPTERA: PONERINAE)

Abreu, R.M.M.; Henrique, L.H.; Camargo-Mathias, M.I.

B0109-006

COMPARATIVE ANALYSES OF TOES IN SCINCID LIZARDS BY SCANNING ELECTRON MICROSCOPY

Velloso, A.L.R.; Teixeira-Filho, P.; Ribas, S.C.; Rocha-Barbosa, O.

B0109-007

SCANNING ELECTRON MICROSCOPY STUDY OF TRICYCLAZOLE INHIBITION OF MELANIN FORMATION ON EGTA INDUCED SCLEROTIC CELLS OF THE PATOGENIC FUNGUS *Fonsecaea pedrosoi*

Cunha, M.M.L.; Franzen, A.J.; de Souza, W.; Rosental, S.

B0109-008

GANGLIOSIDE DEFICIENT DERIVATIVES OF THE MAST CELL LINE RBL-2H3 HAVE AN ALTERED MORPHOLOGICAL RESPONSE FOLLOWING FcεRI ACTIVATION
Souza, A.M.M.S.; Orlandini-Castro, R.; Jamur, M.C.; Oliver, C.
B0109-009
MORPHOLOGICAL AND PHENOTYPICAL CHARACTERIZATION OF MACROPHAGES DERIVED FROM MICE SPLEEN NON-ADHERENT CELLS
Roiffé, E.M.; Seabra, S.H.; de Souza, W.; DaMatta, R.A.
B0109-010
FAK DEFICIENT MAST CELL LINES HAVE A MODIFIED RESPONSE TO FcεRI STIMULATION
Cerri, D. G.; Oliver, C. O.; Jamur, M. C.
B0109-011
SCANNING ELECTRON MICROSCOPY OF THE PROXIMAL UTERINE TUBE EPITHELIUM OF UChA AND UChB RATS LINEAGE - ETHANOL VOLUNTARY CONSUMERS
Almeida, C. C. D.; Pinheiro, P. F. F.; Segatelli, T. M.; Martinez, M.; Padovani, C. R.; Martinez, F. E.
B0109-012
DIFFERENT IMAGING TECHNIQUES TO STUDY POLY(VINYLDIENE) FLUORIDE (PVDF) / CALCIUM CARBONATE (CaCO₃) IMPLANTED IN RATS
Callegari, B.; Leite, C.A. P.; Belangero, W.; Torriani, I.L.
B0109-013
ULTRAMORPHOLOGY OF LEAF-CUTTING ANTS THE HYPOPHARINGEAL GLANDS (*Atta sexdens rubropilosa*, FOREL 1908)
Amaral, J. B.; Caetano, F. H.
B0109-014
EVIDENCE FOR *Toxoplasma gondii* EVASION AND *Escherichia coli* AND *Staphylococcus aureus* PHAGOCYTOSIS BY CHICKEN THROMBOCYTES
Manhães, L.; DaMatta, R.A.
B0109-015
HUMAN CHONDROCYTES ENTRAPPED IN ALGINATE BEADS PRODUCE A CELL-ASSOCIATED MATRIX
Martins, H. S. H. L.; Nobre dos Reis, J. S.; Duarte, M. E. L.; Farina, M.; Borojevic, R.; Andrade, L. R.
B0109-016
EVALUATION OF RELAXERS PRODUCTS IN CURLY AND CRISP HAIR FIBERS BY SCANNING ELECTRON MICROSCOPY
Vazquez, A. L. M.; Garcia, S.; Sader, M. S.; Soares, G. A.; Santos, J. A.; Santos, E. P.
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FEMORAL BONE'S DISTAL EPIPHYSIAL OBSERVATIONS IN RATS SUBMITTED TO ANAEROBIC TRAINING IN THE HIND LIMB WITH CREATINE SUPPLEMENTATION
Souza, C. N.; Goncalves, S. R.; Vanhois, M. A.; Anaruma, C. A.
B0109-018
MORPHOLOGY OF THE MALPIGHIAN TUBULES OF *Diatraea saccharalis* (F.) (LEPIDOPTERA: CRAMBIDAE) IN THE END LARVAL DEVELOPMENT
Rigoni, G.M.; Tomotake, M.E.; Conte, H.
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INTERACTION BETWEEN CELL WALL POLYSACCHARIDES AND PHENOLIC COMPOUNDS OF THE BROWN ALGA *Padina gymnospora*: AN ULTRASTRUCTURAL CHARACTERIZATION BY FIELD EMISSION SEM
Salgado, L.T.; Andrade, L.R.; Farina, M.; Pereira, M.S.; Mourão, P.; Amado Filho, G.M.
B0109-021
THREE-DIMENSIONAL ORIENTATION OF HUMAN OSTEOBLAST IN COLLAGEN GEL CULTURE
Linhares, A.B.R.; Farina, M.
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SUCCESSFUL OF SEGMENTAL FEMORAL ARTERY SUBSTITUTION WITH PROSTHESIS MANUFACTURED FROM THE NATURAL LATEX OF *Hevea brasiliensis*
Lachat, J.-J.; Grisotto, P.C.; Thomazini, J.A.; Coutinho-Neto, J.; Piccinato, C.E.
B0109-023
ULTRASTRUCTURAL ASPECTS AND SEM X-RAY MICROANALYSES OF BONES AND TEETH OF THE EOTRIASSIC OF BRAZIL
Schwanke, C.; Carvalho, J.J.; Britto-Filho, J.D.; da Rosa, A.A.S.
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COMBINATION OF SCANNING ELECTRON MICROSCOPY AND RUGOSIMETRY IN THE ASSESSMENT OF CARTILAGE DEGENERATION IN AN EXPERIMENTAL MODEL OF OSTEOARTHRITIS
Britto-Filho, J.D.; Coelho, F.C.; Carvalho, J.J.; Bouskela, E.
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SCANNING ELECTRON MICROSCOPY OF THE GILL RAKER OF THE LORICARIID FISH, *RHINELEPIS STRIGOSA*
Fernandes, M. N.; Castro, F. J.; Mazon, A. F.
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Transmission electron microscopy

MORPHOLOGICAL CHANGES DURING *in vitro* AMAGESTIGOGENESIS OF *Trypanosoma cruzi* ANALYSED BY SCANNING AND TRANSMISSION ELECTRON MICROSCOPY
Motta, M.C.M.; Corrêa-da-Silva, M.S.; Ávila, A.R.; Manhães, L.; Contreras, V.T.; de Souza, W.; Fragoso, S.P.; Krieger, M.A.; Goldenberg, S.
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THE EFFECT OF OVARIECTOMY FOLLOWED BY ADMINISTRATION OF 17 BETA-ESTRADIOL ON THE ULTRASTRUCTURE OF MOUSE PINEALOCYTE: A QUANTITATIVE STUDY
Redins, C. A.; Costa, R. G.
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ULTRASTRUCTURAL ANALYSIS OF THE THERAPEUTIC ULTRASOUND EFFECT IN A CHRONIC INFLAMMATION
Gonçalves, S. R.; Souza, C. N.; Zechin, M. A. V.; Céspedes, I. C.; Anaruma, C. A.; Watanabe, I.
B0108-003
ULTRASTRUCTURAL CYTOCHEMISTRY OF OOCYTE SECONDARY GROWTH IN *Serrasalmus spilopleura* (TELEOSTEI, CHARACIFORMES, SERRASALMINAE) USING AMMONIACAL SILVER
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B0108-004
ULTRASTRUCTURAL CHARACTERISTICS OF THE *Characidium* sp SPERMATOOZOA (TELEOSTEI, CHARACIFORMES, CRENUCHIDAE)
Veríssimo-Silveira, R.; Quagio-Grassiotto, I.; Moreno, M.H.
B0108-005
MACRO AND MICROSCOPIC MORPHOLOGY OF THE SPLEEN OF *Pimelodus maculatus* LACÉPÈDE, 1803 (SILURIFORMES: PIMELODIDAE) FROM TRÊS MARIAS DAM / MG
Lima, T.C.; Maria, T.A.
B0108-006
A COMPARATIVE ULTRASTRUCTURAL SPERMATOOZOA STUDY IN THE *Trichomycterus* sp. AND *Trichomycterus areolatus* SPECIES (SILURIFORMES, LORICARIOIDEA, TRICHOMYCTERIDAE)
Spadella, M. A.; Oliveira, C.; Quagio-Grassiotto, I.
B0108-007
STRUCTURAL AND ULTRASTRUCTURAL ASPECTS OF SEVEN DAYS AND ADULTS *Calomys callosus* PALATINE SALIVARY GLANDS
Céspedes, I.C.; Watanabe, I.
B0108-008

ULTRASTRUCTURAL CHARACTERIZATION OF SPERMATOOZOA FROM THE FROGS THE GENUS *Bufo* (ANURA, BUFONIDAE)
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ULTRASTRUCTURE OF SPERMATOOZOA OF TWO SPECIES OF THE GENUS *Tupinambis* (SQUAMATA, TEIIDAE)
Tavares-Bastos, L.; Teixeira, R. D.; Colli, G. R.; Bão, S. N.
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ULTRASTRUCTURAL CHARACTERIZATION OF THE SPERMATOOZOA OF HALICTIDAE (HYMENOPTERA, APOIDEA)
Fiorillo, B. F.; Coelho, A. A. M.; Lino-Neto, J.; Bão, S. N.
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ULTRASTRUCTURAL CYTOCHEMISTRY OF CYTOCHROME OXIDASE ON MOUSE MACROPHAGES TREATED WITH CANOVA
Oliveira, S. M.; Oliveira, C. C.; Godoy, L.; Buchi, D. F.
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STRUCTURAL AND ULTRASTRUCTURAL CHANGES IN LINGUAL MUCOSA OF AGING RATS OBSERVED BY TRANSMISSION ELECTRON MICROSCOPY, FLUORESCENCE MICROSCOPY AND, ANALYSES BY PC LEICA PROGRAM
Lopes, M.G.O.; Watanabe, I.; Silva, N.S.; Soares, C.P.; Carnevalli, C.M.M.; Kronka, M.C.
B0108-013
CILATED FIBROBLASTS IN MOUSE CONNECTIVE TISSUES: A COMPARISON BETWEEN METHODS FOR ESTIMATING THEIR FREQUENCY
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Martini, M.H.; Lenci, C.G.; Tavares, D.Q.
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Fernandes, M. C.; Silveira, M.
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CUTANEOUS GLANDS IN ANURAN AMPHIBIANS: COMPARATIVE MORPHOLOGY IN *Bufo paracnemis* (BUFONIDAE) AND *Phyllomedusa distincta* (HYLIDAE) PAROTOID GLANDS
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STRUCTURE OF VENOM GLANDS IN THE FROG *Physalaemus nattereri* (ANURA, LEPTODACTYLIDAE)
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Lino-Neto, J.; Dolder, H.
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MORPHOLOGY AND NUMBER OF SPERMATOOZOA PER CYST IN *Sceliphron* sp. AND *Trypoxylon albitarse* (HYMENOPTERA: SPHECIDAE)
Moreira, J.C.S.; Brito, P.; Lino-Neto, J.
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MORPHOLOGICAL DIFFERENCES BETWEEN APYRENE AND EUPYRENE SPERMATOOZOA IN *Achroia grisella* (LEPIDOPTERA, PIRALIDAE)
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IONIZING RADIATION CAUSES ESTRUCTURAL AND FUNCTIONAL ALTERATIONS IN TIGHT JUNCTIONS OF COLON ADENOCARCINOMA CELLS
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ULTRAMORPHOLOGICAL ANALYSIS OF THE RESIN-DENTIN INTERFACE: NANOLEAKAGE PATTERNS OF SIMPLIFIED DENTAL ADHESIVES
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COMPARATIVE STUDY OF ULTRASTRUCTURAL AND FLOW CYTOMETRY METHODS FOR APOPTOSIS IDENTIFICATION
Totino, P. R. R.; Riccio, E. K. P.; Corte-Real, S.; Neves Jr., I.; Daniel-Ribeiro, C. T.; Ferreira-da-Cruz, M. F.
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MORPHOFUNCTIONAL STUDY OF THE LARVAL MIDGUT OF *Dermestes maculatus* (COLEOPTERA: DERMESTIDAE)
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Franzen, A.J.; Cunha, M.M.L.; de Souza, W.; Rosental, S.
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B0108-035
COMPARATIVE STRUCTURE OF BLOOD HETEROPHILS IN *Tupinambis merianae* (REPTILIA) AND *Rhinoptynix clamator* (AVE)
Carvalho, R.L.; Antoniazzi, M. M.; Jared, C.; Silva, A. M. J.; Santos, A. A. ; Egami, M. I.
B0108-036

CYCLE ACTIVITY IN THE DIGESTIVE GLAND OF *Tivela mactroides* (MOLLUSCA, VENERIDAE)
Cruz, M.V.; Caldeira, W.; Garcia, H.E.M.
B0108-037
ULTRASTRUCTURAL ANALYSIS OF THE CENTRIOLAR ADJUNCT DURING EARLY SPERMIogenesis OF *Melipona quadrifasciata anthidioides* (HYMENOPTERA:APIDAE)
Conte, M.; Lino Neto, J.; Dolder, H.
B0108-038
ELECTRON MICROSCOPY OF HUMAN LYMPHOCYTES CULTIVATED *in vitro*, TREATED WITH TAMOXIFEN
Oliveira, N.F.P.; Dolder, H.; Genari, S.C.
B0108-039
ULTRA-STRUCTURE OF THE VISCERAL FAT BODY OF THE WASP *Mischocyttarus cerberus styx* (HYMENOPTERA: VESPIDAE)
Zanini, D. A; Caetano, F. H.
B0108-040
MORPHOLOGY OF THE LEPIDOPTERAN SPERMATHECA
Mancini, K.; Dolder, H.
B0108-041
ULTRASTRUCTURAL MODIFICATION OF THE INTERRENAL CELL IN *Brycon cephalus* FISH AFTER SHORT TERM
Rocha, R. M.; Ferreira, M. A. P.; Leme-dos-Santos, H. S.; Vicentini, C. A.; Boleli, I.
B0108-042
ULTRASTRUCTURAL EVALUATION OF FLUTAMIDE TREATMENT UPON DIFFERENT CELL TYPES OF GUINEA PIG TESTIS
Maschio, L.R.; Pinto, M.E.; Cordeiro, R.S.; Taboga, S.R.; Góes, R.M.
B0108-043
INTESTINAL ULTRASTRUCTURE OF *Tivela mactroides* (MOLLUSCA, VENERIDAE), A BENTHIC MARINE BIVALVE
Garcia, H. E. M.; Cruz, M. V.; Caldeira, W.
B0108-045
ULTRASTRUCTURAL ASPECTS OF AVIAN EMBRYONIC SKIN: A COMPARATIVE ANALYSIS OF DIFFERENT FIXATION METHODS
Ortolani-Machado, C.F.; Castillo, H.A.; Faraco, C.D.; Freire, C.A.
B0108-046
STRUCTURAL AND ULTRASTRUCTURAL STUDY OF THE Corpus Cavemosum IN THE ERECTILE DYSFUNCTION
Benite, A. M. C.; Costa, W. S.; Carrerete, F.; Babinski, M. A.; Machado, F. A.; Horta, W.; Sampaio, F. J. B.
B0108-047
ULTRASTRUCTURAL MODIFICATIONS OF *Aedes aegypti* MIDGUT DURING ITS COLONIZATION BY THE ENDOSYMBIONT-BEARING TRYPANOSOMATID *Blastocrithidia culicis*
Corrêa-da-Silva, M. S.; Lessa, L. P.; Fampa, P.; Lima, D. C.; Saraiva, E. M. B.; Motta, M. C. M.
B0108-048
ULTRA-STRUCTURE OF THE PERICARDIAL CELLS OF THE ANT *Camponotus rufipes* (HYMENOPTERA: FORMICIDAE)
Chagas, G.C.; Caetano, F.H.
B0108-049
EFFECTS OF CANOVA ON MOUSE PERITONEAL MACROPHAGES OXIDATIVE METABOLISM
Oliveira, C. C.; Oliveira, S. M.; Buchi, D. F.
B0108-050
THE ULTRASTRUCTURAL AND MORPHOLOGICAL ASPECTS OF THE CIRCULATING PLATELETS IN PREGNANT WOMEN WITH NORMAL AND CHRONIC HIGH BLOOD PRESSURE
Duarte Barros, M.L.; Soares Júnior, J.M.; Mosquette, R.; Simões, M.J.; Baracat, E.C.; Atallah, A.N.
B0108-051
ALPHA - TOCOPHEROL IN MICE ILEUM EXPOSED TO GAMMA RADIATION: PROTECTION AGAINST APOPTOSIS
França, J.P.; Moraes, A.A.F.S.; Segreto, H.R.C.; Oshiro, M.E.M.; Pedroso, M.Z.; Silva, M.R.R.; Egami, M.I.; Nader, H.B.; Ferreira, A.T.; Trindade, E.S.; Paredes-Gamero, E.J.; Nunes, R.O.; Pinhal Jr., P.
B0108-052
ULTRASTRUCTURAL ANALYSIS OF SPERMATOZOA OF LIZARDS OF THE GENUS *Mabuya* (SCINCIDAE, REPTILIA)
Brandão, J.C.; Teixeira, R.D.; Colli, G.R.; Bão, S.N.
B0108-053
STRUCTURAL CHARACTERIZATION OF THE HEMOCYTES OF UNINFECTED *Culex quinquefasciatus*
Brayner, F.A.; Alves, L.C.; Silva, L.F.S.; Silva, S.S.; Araújo, H.R.C.; Cavalcanti, M.G.S.; Peixoto, C.A.
B0108-054
THE EFFECTS OF DIETHYLCARBAMAZINE ON THE ULTRASTRUCTURE OF VERO CELLS
Florêncio, S.M.; Saraiva, K.L.A.; Peixoto, C.A.
B0108-055
ULTRASTRUCTURE FEATURES OF GIANT AND MACROPHAGES CELLS PRESENTS IN THE TISSUE REPAIR OF MALE WINSTAR MICES WITH PVC IMPLANTS
Rodrigues, R. F.; Caetano, F. H.; Gonçalves, A. L.; Luciano, E.
B0108-056
EVIDENCE THAT PKA PLAY A REGULATORY ROLE IN THE ASSEMBLY OF THE GOLGI COMPLEX IN HT-29 CELLS
Fernandes, S.S.; Redondo, P.A.; Oliveira, S.S.; Deiró de Carvalho, A.; Goto-Silva, L.; Leve, F.; Madeiro, R.; de Souza, W.; Morgado-Díaz, J.A.
B0108-057
A PRELIMINARY STUDY OF THE VEGETATIVE CELLULAR ULTRASTRUCTURE AND CELL WALL PRODUCTION OF THE RED MACROALGA *Iridaea cordata* (GIGARTINALES)
Navarro, N. P.; Mansilla, A.; Plastino, E. M.
B0108-058
ULTRASTRUCTURE OF THE ALVEOLAR BONE-IMPLANT INTERFACE IN RAT MANDIBLES
Carvalho, J.; Arana-Chavez, V.E.
B0108-059
HISTOLOGICAL ASPECTS OF NATURAL IRON CONTAMINATION IN DIGESTIVE GLAND OF *Perna perna* (BIVALVE - LINNAEUS, 1758) ON THE NORTHERN COAST OF RIO DE JANEIRO STATE, BRAZIL
Ferreira, A.G.; Carvalho, C.E.V.; Machado, A.L.S.; Sousa, T.P.; Melo, E.J.T.
B0108-060
ULTRASTRUCTURAL CHARACTERIZATION OF BLOOD LEUKOCYTES FROM THE TROPICAL FISH *Hoplias malabaricus* (TRAIÁRA)
Ferreira, A.G.; Silva, G.P.; Carvalho, C.E.V.; DaMatta, R.A.
B0108-061
ANATOMY AND ULTRASTRUCTURE OF *Banisteriopsis variabilis* GATES (MALPIGHIACEAE) CALYX GLANDS
Attala, N. C.; Machado, S. R.
B0108-062
LANGERHANS CELL HISTIOCYTOSIS OF THE VULVA. A CASE REPORT
Fonseca Jr., A.; Morais, J.C.; Milito, C.B.; Fonseca, V.L.M.; Souza, S.O.; Lopes, M.C.A.; Chagas, V.L.A.
B0108-063
APOCRINE AND MICRO-APOCRINE SECRETION IN THE VENTRICULUS OF *Mischocyttarus cerberus styx* (HYMENOPTERA: VESPIDAE)
Costa, S.G.V.A.O.; Caetano, F.H.
B0108-064

ULTRASTRUCTURE CHARACTERIZATION OF THE CONVOLUTED GLAND IN WORKERS OF *Pachycondyla striata* (HYMENOPTERA: PONERINAE)
Ortiz, G.; Camargo-Mathias, M.I.
B0108-066
MORPHOLOGICAL CHARACTERIZATION OF OVARY AND DYNAMICS OF VITELLOGENESIS IN TICK *Amblyomma cajennense* (ACARI: IXODIDAE)
Denardi, S.E.; Bechara, G.H.; Camargo-Mathias, M.I.
B0108-067
METOCLOPRAMIDE-INDUCED HYPERPROLACTINEMIA CAUSED MARKED DECLINE IN PINOPODES AND PREGNANCY RATES IN MICE
Panzan, M.Q.; Motta, E.L.A.; Mosquette, R.; Simões, M.J.; Baracat, E.C.; Soares Jr., J.M.; Haapalainen, E.
B0108-068

Posters (Materials)

The last three digits of each posters' code should be noticed. Posters with odd numbers should be presented on Monday and posters with even numbers on Tuesday.

Applications in Biomaterials

AFM / tunneling

MEASUREMENT OF TITANIUM OXIDE FILMS THICKNESS ON POLISHED TITANIUM USING ATOMIC FORCE MICROSCOPY
Kuramoto, N. K.; Sena, L. A.; Simão, R. A.; Soares, G. A.
M0802-001

Microanalysis

BYOACTIVITY AND CELLULAR ADHESION ON POLY(3-HYDROXYBUTYRATE) POROUS MATRICES : AN "in vitro" STUDY

Sader, M. S.; Ferreira, M.; Dias, M. L.

M0803-001

POROSITY DISTRIBUTION EVALUATION IN A TITANIUM COATING PRODUCED BY POWDER METALLURGY

Oliveira, M.V.; Pereira, L.C.; Cairo, C.A.A.

M0803-002

MICROSTRUCTURES OF ARC-MELTD AND HEAT-TREATD Ti-8Nb-13Zr AND Ti-18Nb-13Zr ALLOYS

Silva, H.M.; Schneider, S.G.; Moura Neto, C.

M0803-003

THE EFFECT OF PRECIPITATION ON THE FRACTURE TOUGHNESS OF A HIGH NITROGEN STAINLESS STEEL SUBMITTED TO AGEING

Sokei, C. R.; Ferreira, I.; Tokimatsu, R. C.; Ventrella, V. A.

M0803-004

Others

QUANTITATIVE STUDIES ON ENAMEL CAVES LESIONS AS OBSERVED IN TRANSMITTED POLARIZATION MICROSCOPY

Neves, A. A.; Silva, F. R.; Pereira, L. C.; Primo, L. S.; Guzela, L. R.

M0810-001

Sample preparation

SCANNING ELECTRON MICROSCOPY ANALYSIS OF AN ADHESIVE SYSTEM FOR DENTAL RESTORATION

Santos, M. H.; Mansur, H. S.

M0801-001

Scanning electron microscopy

EFFECTS OF POTENTIAL DISTRIBUTION ON MORPHOLOGY OF HYDROXYAPATITE COATED TITANIUM

Pinto, V. B. B.; Brasil, S. L. D. C.; Bastos, I. N.; Calixto, M. C.; Ogasawara, T.

M0806-001

MICROSCOPICAL STUDIES OF POLY (LACTIDE-CO-GLYCOLIDE) MEMBRANES AS TEMPORARY SKIN SUBSTITUTES

Rezende, C. A.; Lucchesi, C.; Barbo, M. L. P.; Duek, E. A. R.

M0806-002

SUPERFICIAL DISSOLUTION OF BIPHASIC CALCIUM PHOSPHATE TABLETS IN CULTURE MEDIUM

dos Santos, E. A.; Farina, M.; Soares, G. A.

M0806-003

SURFACE MODIFICATION OF DENTAL IMPLANTS

Elias, C.N.; Lima, J.H.C.; Silva Filho, F.C.

M0806-004

SEM MICROSTRUCTURE OBSERVATIONS AND XRD MEASUREMENTS IN Ti/HYDROXYAPATITE POWDER SINTERED COMPOSITES

de Campos, J.B.; Oliveira, M.V.; Pereira, L.C.; Rossi, A.M.

M0806-005

LOCALIZED CORROSION RESISTANCE OF TWO AUSTENITIC STAINLESS STEELS USED FOR ORTHOPEDIC APPLICATIONS

Giordani, E. J.; Guimarães, V. A. ; Pinto, T. B.; Ferreira, I.

M0806-006

MICROSTRUCTURAL CHARACTERIZATION OF THE Ti-13Nb-13Zr ALLOY SUBMITTED TO FOUR DIFFERENT HEAT-TREATMENT

de Abreu, L. B.; Soares, G. A. ; dos Santos, D. S.

M0806-007

EVALUATION OF SUPERFICIAL ROUGHNESS AND TOPOGRAPHICAL ANALYSIS OF THE DENTAL POLYMERIC MATERIALS

Namen, F.M.; Derossi, R.C.; Rocha Azevedo, B.; Silva Filho, F.C

M0806-008

THE EFFECT OF SURFACE TREATMENT ON THE in vitro BIOACTIVITY OF TITANIUM SHEETS

Vanzillotta, P.S.; Soares, R.F.; Sader, M.S.; Soares, G.A.

M0806-009

EFFECT OF STEARIC ACID ON MACROPOROSITY OF CALCIUM PHOSPHATE TABLETS UNIAXIALLY PRESSED

Carvalho, P.B.; dos Santos, E.A.; Sena, L.A.; Oliveira, J.F.; Soares, G.A.

M0806-010

TITANIUM DOT MAPPING ON SOUND AND DECAYED ENAMEL AFTER THE APPLICATION OF TITANIUM TETRAFLUORIDE: "in vitro STUDY"

Chevitarese, A.B.; Chevitarese, L.M.; Dutra, P.B.; Sader, M.S.; Chevitarese, O.

M0806-011

EFFECTS OF SINTERING PROCESS ON MORPHOLOGICAL PROPERTIES OF BOVINE BONE HYDROXYAPATITE

Rodrigues, C. V. M.; Serricella, P.; Farina, M.

M0806-012

CHARACTERIZATION OF POLYMERIC MATRIX PIASSAVA COMPOSITES

Aquino, R.C.M.P.; d'Almeida, J.R.M.; Monteiro, S.N.

M0806-013

OPTICAL MICROSCOPY, S.E.M. ANALYSIS & STRUCTURAL CHARACTERIZATION OF A 3D SOL-GEL BIOCERAMICS SCAFFOLDS: AN *in vitro* STUDY

Guimarães, M.H.; Pereira, M.M.; Leite, M.F.; Goes, A.M.

M0806-014

EFFECT OF THE PREVIOUS ACID ETCH ON THE PERMANENCE OF A DESENSITIZER AGENT ON DENTIN

Barros, V.F.; Miranda, M.S.; Tedesco, A.D.; Povoas, R.; Dias, K.

M1106-002

Special techniques

SURFACE TEXTURE EVALUATION OF ALKALINE TREATED STAINLESS STEEL AND TITANIUM ALLOY BY MICROSCOPY AND PROFILOMETRY

Teixeira, R.L.P.; Pereira, M.M.; Godoy, G.C.D.

M0807-001

Transmission electron microscopy

SEM AND TEM CHARACTERIZATION OF HYDROXYAPATITE SYNTHESIZED ON COLLAGEN MATRICES

Sena, L. A.; Martins, V. C. A.; Dille, J.; Delplancke, J.-L.; Rossi, A. M.; Soares, G. A.

M0805-001

TRANSMISSION ELECTRON MICROSCOPY AND MAGNETIC RESONANCE INVESTIGATION OF MAGNETIC-LABELED BAKER'S YEAST CELLS

Godoy Morais, J. P. M.; Silva, L. P.; Lacava, Z. G. M.; Bão, S. N.; Morais, P. C.; Azevedo, R. B.

M0805-002

EFFECT OF ZINC CONTENT ON *in vitro* DISSOLUTION OF NON-CALCINATED AND CALCINATED Zn-CONTAINING HYDROXYAPATITE

Costa, A. M.; Rossi, A. M.; Soares, G. A.

M0805-003

Applications in Catalysis

Transmission electron microscopy

DETERMINATION OF ZEOLITE ZSM-5 PARTICLES SURFACES ORIENTATIONS BY TRANSMISSION ELECTRON MICROSCOPY

Jardim, P.M.; Rizzo, F.; Saavedra, A.; Lau, L.Y.

M0905-001

TEM CHARACTERIZATION OF CATALYSTS CONTAINING LANTHANIDES FOR METHANE COMBUSTION

Fraga, M.A.; Appel, L.G.; Pinto, A.L.; Greca, M.C.

M0905-002

Applications in Ceramics

Image processing

LATERAL RESOLUTION IMPORTANCE IN THE ROUGHNESS MEASURES OF Si₃N₄ DENSE CERAMIC SURFACE

Toledo, A. P.; Costa, V. A.; Souza, J. V. C.; Campos, E.; Lucena, E. F.

M0604-001

Microanalysis

SEM/EDX STUDY OF EFFLORESCENCE ON BUILDING PAINTING SYSTEM

Mansur, A. A. P.; Mansur, H. S.

M0603-001

Others

CHARACTERIZATION OF THE TiO₂ CERAMIC SURFACE WITH ADDITION OF MgO BY DEPTH FROM FOCUS METHOD

Costa, V. A.; Toledo, A. P.; Campos, E.; Lucena, E. F.; Santos, F. P.

M0610-001

Scanning electron microscopy

EFFECT OF THE SYNTHESIS APPROACH ON THE MORPHOLOGY OF NICKEL-DOPED COPPER CHROMITE POWDERS

Pimentel, P. M.; Ginani, M. F.; Martinelli, A. E.; Melo, D. M. A.; Pedrosa, A. M. G.; Silva Jr., C. N.

M0606-001

STUDY OF BARIUM TITANATE BULK MATERIAL SINTERED FROM POWDER OBTAINED FROM COMBUSTION REACTION

Hasegawa, H. L.; Morelli, M. R.; Paulin Filho, P. I.

M0606-002

MICROSTRUCTURAL EVALUATION OF INDUSTRIAL CERAMIC MASS TO BE USED IN EXTRUDED RUSTIC FLOOR TILES

Capitaneo, J. L.; Silva, F. T.; Vieira, C. M. F.; Monteiro, S. N.

M0606-003

EFFECT OF ZINC IONS SUBSTITUTION ON MAGNETIC PROPERTIES OF Z-TYPE HEXAFERRITE OBTAINED BY CITRATE PRECURSOR METHOD

Caffarena, V. R.; Ogasawara, T.

M0606-004

SYNTHESIS BY CITRATE METHOD AND CHARACTERIZATION OF Ba₃CoCuFe₂₄O₄₁ HEXAFERRITE

Caffarena, V. R.; Ogasawara, T.

M0606-005

STUDIES OF THE INTERACTION BETWEEN Na-BENTONITE AND PSEUDOBOEHMITE SOLS BY SEM. PART III

Kiyohara, P.K.; Souza Santos, H.; Souza Santos, P.

M0606-006

MICROSTRUCTURAL CHARACTERIZATION AND MICROANALYSIS OF Ba₂DySnO_{5.5} CERAMICS USING SCANNING ELECTRON MICROSCOPY AND EDX ANALYSIS

Yadava, Y. P.; Aguiar, L. A. R.; Lapa, C. M.; Sanguinetti Ferreira, R. A.; Albino Aguiar, J.; da Silva, C. L.; de Souza, D. P. F.

M0606-007

PRODUCTION, SINTERING AND MICROSTRUCTURAL CHARACTERISTICS OF Ba₂NiWO₆ COMPLEX PEROVSKITE OXIDE CERAMICS

Lapa, C. M.; Yadava, Y. P.; Sanguinetti Ferreira, R. A.; Albino Aguiar, J.; da Silva, C. L.; de Souza, D. P. F.

M0606-008

CHARACTERIZATION OF SLATE CERAMIC PIECES PRODUCED BY SLIP CASTING PROCESS BY SEM/EDX, CRYSTALLINITY AND PHYSICAL PROPERTIES

Souza, L. P. de F.; Mansur, H.S.

M0606-009

GRAINS ORIENTATION DURING CREEP OF HOT PRESSED Si₃N₄ CERAMICS

Santos, C.; Strecker, K.; Baldacim, S.A.; Silva, O.M.M.; Santos, D.R.; Silva, C.R.M.

M0606-010

LIQUID-PHASE SINTERING OF SILICON CARBIDE WITH Al₂O₃/Y₂O₃ ADDITION

Moreira, S.P.; Melo, F.C.L.; Thim, G.P.

M0606-011

MICROSTRUCTURAL CHARACTERIZATION OF CERAMIC TILES

Mansur, A. A. P.; Mansur, H. S.

M0606-012

FRACTURED SURFACE OF ALUMINA VACUUM CHAMBER AT LNLS

Bagnato, O.R.; Francisco, F.R.; Serafim, R.M.; Vieira, L.C.S.

M0606-013

PROPERTIES OF SILICON NITRIDE SINTERED AT NORMAL PRESSURE

Lanna, M.A.; da Silva, C.R.M.; Souza, J.V.C

M0606-014

TURNING OF CFRC COMPOSITES WITH CERAMIC TOOLS: PRELIMINARY WORK

Lanna, M.A.; da Silva, C.R.M.; Mendonça, W.G.; Belmonte, M.; Souza, J.V.C.

M0606-015

DEVELOPMENT OF AgBSCCO2212 SUPERCONDUCTING TAPES USING COLD SWAGING AND ROLLING

Cursino, E.; Rodrigues Jr., D.; Santos, D.I.

M0606-016

INFLUENCE OF DIFFERENT SINTERING ATMOSPHERE IN LIQUID-PHASE-SINTERED SILICON CARBIDE MICROSTRUCTURE

Kelly, C.A.; Ribeiro, S.; Lins, J.F.C.; Rodrigues, C.A.

M0606-018

SEM AND XRD TO EVALUATE THERMAL TREATMENTS IN THE STUDY OF CERAMIC TILE DEGRADATION

Mansur, A. A. P.; Mansur, H. S.

M0606-019

Transmission electron microscopy

QUALITATIVE ELEMENTAL DISTRIBUTION MICROANALYSIS FOR CALCIUM AND COBALT DOPED LaCrO₃

Morelli, M. R.

M0605-001

Applications in Geology and Mineralogy

Image processing

PRIMARY AND SECONDARY APATITE QUANTIFICATION BY CATHODOLUMINESCENCE - IMAGE ANALYSIS

Mano, E.S.; Kahn, H.

M0704-001

Scanning electron microscopy

SEM AND EDS AS A TOOL FOR THE CHARACTERIZATION OF BEACH ROCKS CEMENTS

Antonello, L.L.; Zucolotto, M.E.; Castro, J.W.A.

M0706-001

ZEOLITE PRODUCTION FROM BRAZILIAN KAOLIN

dos Santos, N.B.; da Silva, C.F.G.; Nascimento, M.; e Almendra, E.R.

M0706-002

ZEOLITIZATION OF BRAZILIAN SILICATES BY HYDROTHERMAL METHODS

Nascimento, M.; e Almendra, E.R.

M0706-003

SYNTHESIS OF ZEOLITE FROM POTASH FELDSPAR BY MICROWAVE RADIATION

da Silva, C. F. G.; dos Santos, N. B.; Nascimento, M.; e Almendra, E. R.

M0706-004

Applications in Polymers

AFM / tunneling

INVESTIGATING OF THE MORPHOLOGY OF CHITIN IN N,N-DIMETHYLACETAMIDE/LITHIUM CHLORIDE BY ATOMIC FORCE MICROSCOPY

Silva, K.M.P.; Simão, R.A.; Thiré, R.M.S.M.; Andrade, C.T.

M0302-001

Microanalysis

MORPHOLOGY BEHAVIOR OF POLY(HYDROXYBUTYRATE) AND POLY(ETHYLENE SEBACATE) BLENDS

Santos, A. L. S.; Dias, M. L.; Oliveira, C. M. F.; Costa, D. A.

M0303-001

COMPOSITION AND HARDNESS OF NATURAL RUBBER PARTICLE SURFACES: A STUDY BY AFM AND TEM/ESI

Rippel, M. M.; Lee, L.-T.; Leite, C. A. P.; Costa, C. A. R.; Galembeck, F.

M0303-002

Scanning electron microscopy

CHARACTERIZATION OF BIOGENIC SILICA MICROFIBERS WITH POTENCIAL APPLICATION AS REINFORCEMENT FILLERS IN POLYMERIC MATRIXES

Silva, V. P.; Machado, H. M.; Yoshida, I. V. P.; Gonçalves, M. C.

M0306-001

EVALUATION OF PREPARATIVE METHODS OF POLYCAPROLACTONE FOR SCANNING ELECTRON MICROSCOPY

Silva, E.A.; Silveira, M.

M0306-002

SCANNING ELECTRON MICROSCOPY AS A TOOL TO EVALUATE MORPHOLOGICAL CHARACTERISTICS OF POLYETHYLENE PREPARED WITH Cr/SiO₂ CATALYSTS

Gaspar, A. B.; Vasconcelos, S. M. R.; Dieguez, L. C.

M0306-003

PHB/PETG BLEND MORPHOLOGIES: INFLUENCE OF PROCESSING PARAMETERS

Quental, A. C.; Oliveira Jr., A. R.; Gonçalves, M. C.; Felisberti, M. I.

M0306-004

SEM CHARACTERIZATION OF DENTAL POLIMERS SUBMITTED TO DIFFERENT SURFACE TREATMENTS

Giovannini, J.F.B.G; Vaz, R.R.; Silva, V.V.; Lameiras, F.S.

M0306-005

ROLE OF INTERFACE ADHESION IN WOOD-PLASTIC COMPOSITES

Hage Jr., E.; Correa, C. A.

M0306-006

STUDY OF THE INFLUENCE OF PREPARATION ON MORPHOLOGY OF ULTRAFILTRATION MEMBRANES BY SEM

Bertrand, M.A.; Soares, M.C.B.V.; Oliveira, E.E.M.; Lopes, A.C.; Leitão, K.S.; Merçon, F.; Barbosa, C.C.R.

M0306-007

MECHANICAL AND MORPHOLOGICAL PROPERTIES OF FLAME RETARDANT SBR COMPOSITES

Siqueira, B.G.; Miguez Suarez, J.C.; Visconte, L.L.Y.; Nunes, R.C.R.

M0306-008

THE EFFECT OF GAMMA IRRADIATION ON THE CRYSTALLINITY OF HIGH-DENSITY POLYETHYLENE

Miguez Suarez, J. C.; Bonelli, C. M. C.; Elzubair, A.

M0306-009

Special techniques

SUBSTRATE EFFECT ON LATEX SERUM SOLUTE DISTRIBUTION INVESTIGATED BY SNOM: AN EVIDENCE OF PARTICLE ANISOTROPY

Teixeira-Neto, E.; Kaupp, G.; Galembeck, F.

M0307-001

Transmission electron microscopy

MORPHOLOGICAL DEVELOPMENT OF PHASES IN PBT/ABS BLENDS DURING EXTRUSION AND INJECTION MOLDING

Ito, E.N.; Covas, J.A.; Pessan, J.A.; Hage Jr., E.

M0305-001

MORPHOLOGICAL CHARACTERIZATION OF POLYCAPROLACTONE (PCL)/ CHLORINATED POLYETHYLENE (PECI) BLENDS

Plivelic, T. S.; Gonçalves, M. C.; Torriani, I. L.

M0305-002

POLYPROPYLENE/CLAY NANOCOMPOSITES COMPATIBILIZED WITH ORGANOSILANE

Oliveira Jr., A. R.; Yoshida, I.V.P.; Gonçalves, M.C.

M0305-003

MORPHOLOGY AND MECHANICAL PROPERTIES OF PA6/ABS BLENDS COMPATIBILIZED WITH FUNCTIONALIZED ACRYLIC COPOLYMER

Giusti, L.; Hage Jr., E.; Ito, E.N.; Ueki, M.M.

M0305-004

MONTMORILLONITE CLAY MORPHOLOGY AND DISTRIBUTION IN A NATURAL RUBBER MATRIX

Valadares, L. F.; Rippel, M. M.; Murakami, M. M.; Leite, C. A. P.; Galembeck, F.

M0305-005

MICROSCOPIC ANALYSIS OF MORTAR MODIFIED WITH LATEX AND RECYCLED TIRES RUBBER

Souza, F.C.T.; Oliveira, P.C.; Guimarães, A.; Guimarães, R.C.O.; Rodrigues Jr., D.; Santos, A.M.; Oliveira, M.J.E.; Voorwald, H.J.C.

M0305-006

MORPHOLOGICAL AND CRYSTALLINE CHARACTERIZATION OF PLANE-STRAIN COMPRESSED ISOTATIC POLYPROPYLENE

Machado, G.; Denardin, E.L.G.; Kinast, E.J.; Cardozo, T.; Samios, D.; Teixeira, S.R.

M0305-007

Applications in Semiconductors

AFM / tunneling

SURFACE PROPERTIES OF VAPOR-PHASE STAIN ETCHED LUMINESCENT POROUS SILICON

Freire, J. A. K.; Freire, V. N.; Farias, G. A.; de Vasconcelos, E. A.; da Silva Jr., E. F.

M0502-001

Transmission electron microscopy

HELLIUM RETENTION IN AS-IMPLANTED SILICON AND Si_{0.8}Ge_{0.2}/Si(100) HETEROSTRUCTURES

Mörschbacher, M. J.; da Silva, D.L.; Fichtner, P.F.P.; Oliviero, E.; Behar, M.; Zawislak, F.C.; Luysberg, M.; Holländer, B.; Mantl, S.; Loo, R.; Caymax, M.

M0505-001

MORPHOLOGICAL CHARACTERIZATION OF SnO₂ BASED POWDERS CONTAINING IRON OXIDE ADDITIVE

Hidalgo Falla, M. P.; Gouvêa, D.; Zanchet, D.; Bettini, J.

M0505-002

INERT GAS IMPLANTATION IN SILICON: THE CASE OF NEON

Oliviero, E.; Beaufort, M. F.; Barbot, J. F.; Fichtner, P. F. P.; Peripolli, S.; Amaral, L.; Donnelly, S. E.

M0505-003

Applications in Thin Films and Coatings

AFM / tunneling

WETTABILITY VARIATION OF THIN a-C:H FILMS TREATED WITH NITROGEN AND OXYGEN GAS PLASMA

von Mühlen, L.; Simão, R. A.; Achete, C. A.

M1002-001

ANALYSIS OF NANOINDENTATION INDUCED FRACTURE IN AMORPHOUS CARBON THIN FILMS

Michél, M.D.; Araújo, P.J.G.; Achete, C.A.; Camargo, P.C.; Lepienski, C.M.

M1002-002

Microanalysis

SILICON DIFFUSION AND FLUORINE DESORPTION ON LiF FILMS DEPOSITED ON Si(100) INDUCED BY ELECTRON BEAM

Vasconcellos, P. I. G.; Achete, C. A.; Cremona, M.

M1003-001

Others

MICROSTRUCTURAL EXAMINATION OF COATINGS IN CEMENTED CARBIDE CUTTING INSERT

Rodrigues, H. L.; Ribeiro, R. B.; Silva, D. F.; Crnkovic, S. J.; Pereira, M. S.

M1010-001

SUBSTRATE (W-Co) MICROSTRUCTURAL CHARACTERIZATION OF A TRIPLE COATED CEMENTED CARBIDE CUTTING INSERT

Rodrigues, H. L.; Ribeiro, R. B.; Silva, D. F.; Crnkovic, S. J.; Pereira, M. S.

M1110-001

Scanning electron microscopy

THIN ELECTROLESS Pd AND Pd-P FILMS CHARACTERIZED BY SEM AND EDAX FOR USE AS CATALYSTS

De Robertis, E.; Bento, C. A. S.; Abrantes, L. M.; Motheo, A. J.

M1006-001

CHARACTERIZATION OF HARDENED LAYER IN MARTENSITIC AND DUPLEX STAINLESS STEELS MODIFIED USING PLASMA NITRIDING

Silva, G. R. C.; Casteletti, L. C.; Tremiliosi, G. F.; Bento, C. A. S.

M1006-002

CVD DIAMOND COATED Si₃N₄ TOOLS

Lanna, M.A.; da Silva, C.R.M.; Corat, E.; Mendonça, W.G.; Belmonte, M.; Souza, J.V.C.

M1006-003

SURFACE ANALYSES OF TIN THIN FILMS GROWN ON 304 STAINLESS STEEL BY CATHODIC ARC TECHNIQUE

Vieira, R. A.; Nono, M. C. A.

M1006-004

ELEKTRODEPOSITION OF Ni-Nb COMPOSITES

Fratari, R. Q.; Robin, A. L. M.

M1006-005

CHARACTERIZATION OF LASER CLADDING WC-Co COMPOSITE COATINGS

Pinto, M.A.; Costa, L.; Vilar, R.; Ierardi, M.C.F.

M1006-006

TIRE RUBBER SURFACE OBSERVATION BY SEM AFTER CURING IN PORTLAND CEMENT PASTE

Filloy, P. H.; Segre, N.; Joekes, I.; Kiyohara, P. K.

M1106-001

Metals and alloys - Characterization methods and Sample preparation

AFM / tunneling

EUTECTIC MICROSTRUCTURE CHARACTERIZATION USING ATOMIC FORCE AND SCANNING ELECTRON MICROSCOPIES

Costa, C.A.R.; Rios, C.T.; Milenkovic, S.; Gonçalves, M.C.; Caram, R.

M0402-001

EBS

RECRYSTALLISATION TEXTURE AND MICROSTRUCTURE OF A BORON CONTAINING EXTRA LOW CARBON STEEL

Souza, E. G.; Pinto, A. L.; Leis, M. P. P.; Viana, C. S. C.

M0409-001

MICROSTRUCTURAL AND TEXTURAL CHARACTERISATION OF AN AISI 434 FERRITIC STAINLESS STEEL

Cândido, F. S.; Carvalho, S. S.; Cabral, M. H.; Pinto, A. L.; Viana, C. S. C.

M0409-002

MICROSTRUCTURAL AND MICROTTEXTURAL ANALYSIS OF AN AISI 430 FERRITIC STAINLESS STEEL

Cândido, F. S.; Pinto, A. L.; Viana, C. S. C.; Gonçalves, I. N.

M0409-003

STUDY OF RIDGING PHENOMENON IN FERRITIC STAINLESS STEEL USING EBSD TECHNIQUE

Gonçalves, I.N.; Cunha, M.A.; Moraes, J.M.D.; Luna, P.C.

M0409-004

Image processing

DEPTH FROM FOCUS RECONSTRUCTION FROM CONVENTIONAL LIGHT MICROSCOPY AS A TOOL FOR MECHANICAL FAILURE ANALYSIS

Lucena, E. F.; da Silva, A. Y. V.; Guimarães, V. A.; Hein, L. R. O.

M0404-001

PITTING MORPHOLOGICAL CHARACTERISTICS STUDY OF AISI 304 STAINLESS STEEL THERMALLY TREAT

Ribeiro, R. B.; Codaro, E. N.; Hein, L. R. de O.

M0404-002

Microanalysis

MORPHOLOGICAL AND MICROSTRUCTURAL INVESTIGATIONS DURING RECRYSTALLIZATION OF COLD ROLLING AA8011 ALUMINIUM ALLOY

Lima, E. P. R.; Ferreira, R. A. S.; Yadava, Y. P.

M0403-001

ELECTRONIC MICROSCOPY AND MICROANALYSIS OF MULTIFILAMENTARY (Nb,Ta)₃Sn SUPERCONDUCTOR WIRE

Machado, J.P.B.; Rodrigues, C.A.; Rodrigues Jr., D.

M0403-002

MICROSTRUCTURAL CHARACTERIZATION ON NIOBIUM TURNING

Gislene, G.V.; Ribeiro, M.V.

M0403-003

MICROSTRUCTURAL CHARACTERIZATION OF A CORROSION RESISTANT HIGH-SILICON CAST IRON

Maluf, O.; Tarpani, J. R.; Milan, M. T.; Bose Filho, W. W.; Spinelli, D.

M0403-004

FRACTOGRAPHIC ANALYSIS OF A FATIGUED NODULAR CAST IRON IN THE AS-ROLLED CONDITION

Maluf, O.; Tarpani, J. R.; Spinelli, D.

M0403-005

BERAHA'S SOLUTION EFFECT ON THE SEW 410 W.Nr. 14517 CHEMICAL ANALYSIS BY EDS

Itman, A.; Gallo, N. J. H.; Rollo, J. M. D. A.

M0403-006

CHARACTERIZATION OF NANOCRYSTALLINE Fe₆₃Nb₁₀Al₄Si₃B₂₀ ALLOY

Afonso, C.R.M.; Bolfarini, C.; Botta Filho, W.J.; Kiminami, C.S.

M0403-007

MICROSTRUCTURAL ANALYSIS OF THE ION NITRIDED LAYER OF THE FERRITIC STAINLESS STEEL AISI 439

Oliveira, A. M.; Muñoz Riofanoi, R. M.; Casteletti, L. C.; Tremiliosi, G. F.; Bento, C. A. S.

M0403-008

MICROBIOLOGICALLY INFLUENCED CORROSION ON 304 STAINLESS STEEL

Sobral-Santiago, A. V.; Magalhães, D. D. A. C.; de Sant'Ana, H. B.; de Abreu, H. F. G.; Melo, V. M. M.

M0403-009

MICROCHARACTERIZATION OF CORROSION PRODUCTS ON MAGNESIUM AND ON THE AZ91HP ALLOY BY RAMAN SPECTROSCOPY AND SEM-EDS

Weber, C. R.; Knörmschild, G.; Dick, L. F. P.

M0403-010

ANALYSIS OF THE FRACTOGRAPHIC EVIDENCES OF STABLE CRACK GROWTH REGIME IN COMMERCIAL PURITY TITANIUM

Rossino, L.S.; Perez, E.A.C.; Baptista, C.A.R.P.; Rodrigues Jr., D.

M0403-011

THE NIOBIUM EFFECT ON THE SEW 410 Nr. 14517 STAINLESS STEEL MECHANICAL PROPERTIES

Itman, A.; Silva, R. V.; Tarpani, J. R.; Rollo, J. M. D. A.

M0403-012

Others

GRAIN ULTRA-REFINEMENT IN A LOW CARBON STEEL AT SUB CRITICAL TEMPERATURE THROUGH THERMOMECHANICAL PROCESSING

Silva Neto, O. V.; Balancin, O.

M0410-001

INFLUENCE OF THE OXIDATION IN CREEP OF Ti-6Al-4V ALLOY

Reis, D.A. P.; Piorino, F.; Barboza, M.J.R.; Nono, M.C.A.; da Silva, C.R.M.

M0410-002

Sample preparation

QUANTITATIVE IMAGE ANALYSIS FOR THE MICROSTRUCTURE OF 7000 SERIES ALUMINIUM ALLOYS

Carvalho, A. L. M.; Voorwald, H. J. C.; Hein, L.R. O

M0401-001

STRESS INDUCED EPSILON MARTENSITE MORPHOLOGY IN STAINLESS SHAPE MEMORY ALLOYS

Bueno, J. C.; Nascimento, F. C.; Mei, P. R.; Otubo, J.

M0401-002

STRUCTURAL CHANGE IN NIMONIC 115 TURBINE BLADE DUE BY OVER HEATING

Lourenço, N.J.; Von Dollinger, C.F.A.; De Campos, P.P.; Graça, M.L.A.

M0401-003

Scanning electron microscopy

EFFECTS OF MICROSTRUCTURAL ASPECTS ON THE FAILURE OF A NICKEL BASE SUPERALLOY TURBINE BLADE

Barbosa, C.; Nascimento, J.L.; Caminha, I.M.V.; Abud, I.C.

M0406-001

MICROSTRUCTURE OF FERRITIC WELD METAL CONTAINING TITANIUM

Ventrella, V.A.; de Alcântara, N.G.; dos Santos, J.F.; Evans, G.M.

M0406-002

MICROSTRUCTURAL CHARACTERIZATION OF HP CAST STAINLESS STEEL WITH YTTRIUM ADDITION

Noronha, M. J.; Nunes, F. C.; de Almeida, L. H.

M0406-003

FATIGUE LIFE ESTIMATION BY SCANNING ELECTRON MICROSCOPY TECHNIQUES

Tarpani, J. R.; Silva, R. V.; Bose Filho, W. W.; Spinelli, D.

M0406-005

BEHAVIOR OF THE AUSTENITIC AND FERRITIC PHASES DURING PLASTIC DEFORMATION OF A SUPERDUPLEX STAINLESS STEEL

Fagundes, M. P. S.; Gravatá, C. E. S.; Terrones, L. A. H.

M0406-006

STRUCTURAL ANALYSIS OF A CAST MARTENSITIC STAINLESS STEEL

Mariano, N. A.; Bagnato, O. R.; Seraphim, R. M.

M0406-007

AUSTENITIC-FERRITIC STAINLESS STEEL WIRES MICROSTRUCTURAL FRATOGRAPHIC ANALYSIS

Itman, A.; Silva, R. V.; Tarpani, J. R.; Rollo, J. M. D. A.

M0406-008

SEM MICROSCOPIC STUDY OF THE Ti-35Nb-7Zr-5Ta SINTERING

Taddei, E. B.; Henriques, V. A. R.; Cairo, C. A. A.; Silva, C. R. M.

M0406-009

FRACTURE CHARACTERISTICS OF BULK METALLIC GLASSES

Jorge Jr., A.M.; Rodrigues, M.J.; Bolfarini, C.; Kiminami, C.S.; Botta F., W.J.; Yavari, A.R.

M0406-010

LIQUIDUS PROJECTION OF THE V-Si-B SYSTEM IN THE REGION 100%at.V-50%at.Si-50%at.B

de Lima, B.B.; Nunes, C.A.; Coelho, G.C.

M0406-011

Transmission electron microscopy

PRECIPITATION BEHAVIOR IN AN 8090 Al-Li BASE ALLOY SUBJECTED TO RETROGRESSION AND REAGING TREATMENTS

Rocha, A. L.; Solórzano, I. G.; Darwish, F.A.

M0405-001

A TEM STUDY OF PRECIPITATES IN FERRITIC 9Cr-1Mo STEEL SUBJECTED TO CREEP TESTING

Furtado, H.C.; de Almeida, L.H.; Le May, I.

M0405-002

AN INVESTIGATION OF PRECIPITATION HARDENING PHENOMENA IN AGED PH 13-8 Mo STAINLESS STEEL

Gallo, F. C.; de Almeida, L. H.

M0405-003

YTTRIUM-RICH PARTICLES OBSERVED IN A MODIFIED HP STAINLESS STEEL

Nunes, F. C.; Noronha, M. J.; dos Santos, D. S.; de Almeida, L. H.

M0405-004

INFLUENCE OF PRECIPITATION DUE TO ISOTHERMAL AGEING ON THE MECHANICAL PROPERTIES OF A Ni-BASE SUPERALLOY

Nicoletti, E.S.M.; Darwish, F.A.; Solorzano, I.G.

M0405-005

THE APPARENT INTERPARTICLE SPACING OF CARBONITRIDES AND ITS RELATIONSHIP WITH PRECIPITATION STRENGTHENING IN MICROALLOYED STEELS

Gallego, J.; Kestenbach, H.-J.

M0405-006

PRECIPITATION STRENGTHENING BY CARBONITRIDE PARTICLES IN PEARLITE

Gallego, J.; Kestenbach, H.-J.

M0405-007

ELECTRON DIFFRACTION ANALYSIS OF QUASICRYSTALLINE PARTICLES IN A RAPIDLY SOLIDIFIED ALUMINUM ALLOY

Kestenbach, H.-J.; Bolfarini, C.; Kiminami, C.S.; Botta Filho, W.J.

M0405-008

Microanalysis, Elemental mapping and Image processing

Image processing

EVALUATION OF MARGINAL DISCREPANCY IN PROXIMAL BOXES OF CLASS II AMALGAM RESTORATIONS - "in vitro" STUDY

da Silva, F.R.; Dantas, M.C.C.; Nascimento, D.F.L.; Pereira, L.C.

M0204-002

SURGICAL TECHNIQUE TO PLACE POROUS SURFACE DENTAL IMPLANTS

Vasconcellos, L.M.R.; Momose, D.R.; Brentel, A.S.; Oliveira, M.V.; Carvalho, Y.R.; Cairo, C.A.A.

M0204-003

LOW CARBON STEEL GRAINS IMAGE ANALYSIS USING MICROSTRUCTURAL CHARACTERIZATION SOFTWARE IMAGO

Diógenes, A. N.; Haendchen, C.; Hoff, E.; Maliska Jr., C. R.; Fernandes, C. P.; Maliska, A. M.

M0204-004

QUANTITATIVE SURFACE ANALYSIS OF PET/PMMA FIBER-MATRIZ COMPOSITES THROUGH LIGHT MICROSCOPY AND DEPTH FROM FOCUS RECONSTRUCTION

Carrer, G.R.; Lucena, E.F.; Cioffi, M.O.H.; Hein, L.R.O.

M0204-005

Microanalysis

MICROANALYSIS OF ROOSTERS EPIDIDYMAL STONES

Balzuweit, K.; Mahecha, G.A.B.; Oliveira, C.A.; Soares, W.T.; Hess, R.A.

M0203-001

MICROSTRUCTURAL CHARACTERIZATION OF A HOT-ROLLED TITANIUM-STABILIZED INTERSTITIAL-FREE STEEL

Lins, J.F.C.; Sandim, H.R.Z.

M0203-002

MICROSTRUCTURAL ANALYSIS OF THE HEAT AFFECTED ZONE OF THE ASTM 1045 STEEL RECOVERED BY WELDING

Farias, J. P.; de Azevedo, A. G. L.; Marcelino Neto, M. A.; Silva, C. C.

M0203-003

MICROANALYTICAL ANALYSIS OF AN ARCHEOLOGICAL TOOL RESCUE FROM A HISTORICAL SITE IN BRAZIL

Campos, G.N.; Malheiros, M.; Solórzano, G.

M0203-004

LINEAR RELATIONSHIP OF Si(Li) DETECTOR FLUORESCENCE PEAK INTENSITY VERSUS CORRECTED EXCITATION PEAK

Hinrichs, R.; Darsie, F.R.F.; Vasconcelos, M.A.Z.

M0203-005

DEVELOPMENT OF PRECONCENTRATION MICROCHANNELS IN POLYESTER FILMS INCORPORATED ON SEPARATION MICRODEVICES

Coltro, W. K. T.; Carrilho, E.

M0203-006

DIGITAL MICROSCOPY APPLIED TO MATERIALS CHARACTERIZATION

Bastos, A. L.; Gomes, O. F. M.; Maurício, M. H. P.; Paciornik, S.

M0203-007

DISENTANGLING PRECISION AND INSTRUMENTAL NOISE

Persiano, A. I. C.; Soares, W. T.

M0203-008

IN-SITU OPTICAL MICROSCOPY OF WAX CRYSTALLIZATION

Maurício, M. H. P.; Teixeira, A. M.; Azevedo, L. F. A.; Paciornik, S.

M0203-009

EFFECT OF COOLING RATE ON THE MICROSTRUCTURE OF RAPIDLY SOLIDIFIED Al-9Si-3Cu HYPOEUTECTIC ALLOY

Rios, C.T.; Salomão, R.R.; Bolfarini, C.; Botta F., W.J.; Kiminami, C.S.

M0203-010

CHARACTERIZATION OF THE DENTIN-RESTORATION FRACTURE SURFACE

Coutinho, E.T.; Paciornik, S.; d'Almeida, J.R.M.

M0203-011

ZINC-COAL BATTERY RECYCLING FOR USE IN CONCRETE FROM CIVIL CONSTRUCTION

Coimbra, M. A.; Libardi, W.; Morelli, M. R.

M1103-001

Sample preparation

MICROANALYSIS OF THE PRECIPITATION PROCESSES IN ALLOY 33 (Fe-Cr-Ni-Mo-Cu-N)

Delvaux, V.; Solórzano, G.

M0201-001

Scanning electron microscopy

EBSO CHARACTERIZATION OF A LOW CARBON STEEL

Cabral, M. H. C.; Cândido, F. S.; Viana, C. S. C.; Blas, J. G.; Pereira, L. C.

M0206-001

FRACTOGRAPHIC INSPECTION OF CARBON-EPOXY LAMINATE COMPOSITES - PART I: QUASI-STATIC AND IMPACT BEND LOADING

Tarpani, J.R.; Silva, R.V.; Castro, C.E.G.; Ruckert, C.O.F.T.; Bose Filho, W.W.; Spinelli, D.

M1106-003

FRACTOGRAPHIC INSPECTION OF CARBON-EPOXY LAMINATE COMPOSITES - PART II: QUASI-STATIC AND FATIGUE TENSILE LOADING

Tarpani, J.R.; Silva, R.V.; Castro, C.E.G.; Ruckert, C.O.F.T.; Bose Filho, W.W.; Spinelli, D.

M1106-004

MORPHOLOGIES OF METALLIC CHROMIUM SYNTHESIZED BY MECHANICAL ACTIVATION AND HEAT TREATMENTS

Cintha, O. M.; Monlevade, E. F.; Capocchi, J. D. T.

M1106-005

AA380 ALUMINUM ALLOY-BASED METAL MATRIX COMPOSITES REINFORCED WITH ALUMINA PRODUCED BY COMPOCASTING PROCESS

Costa, E.M.; Compani, M.; Floriani, A.R.; Dedavid, B.A.

M1106-007

Transmission electron microscopy

DIRECT OBSERVATION OF NaCl SORPTION ON STÖBER SILICA NANOPARTICLE

Costa, C. A. R.; Leite, C. A. P.; Galembeck, F.

M0205-001

MICROSTRUCTURAL DIFFERENCES OF DRAWN COPPER BOTH AT ROOM TEMPERATURE AND 77K

Leis, M. P. P.; Pinto, A. L.; Brandão, L. P. M.; Souza, E. G.

M0205-002

MICROSTRUCTURAL CHARACTERIZATION OF STAINLESS STEEL TYPE HP-45 MODIFIED BY ITRIUIM SUBMITTED TO HIGH HYDROGEN PRESSURE

Gonzalez, C. S.; dos Santos, D. S.; de Almeida, L. H.

M0205-003

X-RAY STEM MAPPING APPLIED TO THE IDENTIFICATION OF Al₂O₃ PARTICLES IN Cu-Al₂O₃ (0.5 wt%) NANOCOMPOSITES

Motta, M. S.; Brocchi, E. A.; Solórzano, I. G.

M0205-004

MICROSTRUCTURES OF Al-Si-Cu ALLOY PRODUCED BY SPRAY FORMING PROCESS

Rios, C.T.; Ferrarini, C.F.; Bolfarini, C.; Botta F., W.J.; Kiminami, C.S.

M0205-005

INTERFERENCE OF STRONG ENVIRONMENTAL MAGNETIC GRADIENTS IN MEASUREMENTS CARRIED BY ELECTRONIC MICROSCOPES

Benyosef, L.C.C.; Bochner, M.

M1105-001

Nanostructured materials

AFM / tunneling

EPITAXIAL GROWTH AND MORPHOLOGY IN MnAs/GaAs(111)B

Mattoso, N.; Ouerghi, A.; Eddrief, M.; Demaille, D.; Etgens, V. H.

M0102-001

Microanalysis

ANALYSIS OF Pt/C AND Pt-Co/C ELECTROCATALYSTS FOR FUEL CELLS BY HRTEM

Salgado, J. R. C.; Gonzalez, E. R.

M0103-001

Sample preparation

MICROSTRUCTURAL CHARACTERIZATION OF AMORPHOUS AND NANOCRYSTALLINE FeSiBNbCu ALLOYS

Mariano, N.A.; Kuri, S.E.

M0101-001

Scanning electron microscopy

MICROSTRUCTURAL CHARACTERIZATION OF Al₂O₃-ZrO₂ COMPOSITE OBTAINED TO HIGH ENERGY MILLING

Pierr, J.J.; Tomasi, R.; Maestrelli, S.C.; Pallone, E.M.J.A.

M0106-001

Transmission electron microscopy

CHARACTERIZATION OF SEMICONDUCTOR COLLOIDAL NANOCRYSTALS WITH HRTEM

Neves, A. A. R.; Moreira, W. L.; Cesar, C. L.; Ugarte, D.

M0105-001

SPINODAL DECOMPOSITION AND NUCLEATION IN Cu-Co RIBBONS

Miranda, M. G. M.; da Rosa, A. T.; Snoeck, E.; Martinez, G.; Baibich, M. N.

M0105-002

COMBINED SAXS, WAXS AND TEM STUDIES OF BISMUTH AGGREGATION IN A BISMUTH-DOPED SODA-BORATE GLASS

Kellermann, G.; Craievich, A. F.

M0105-003

MICROSTRUCTURE AND PHOTOLUMINESCENCE OF Ge-IMPLANTED SiO₂ LAYERS

Lopes, J. M.J.; Fichtner, P.F.P.; Zawislak, F.C.; Behar, M.; Rebohle, L.; Skorupa, W.

M0105-004

SYNTHESIS AND CHARACTERIZATION OF HYBRID NANOSTRUCTURES WITH DEFINED MORPHOLOGY

Malta, M.; Torresi, R. M.

M0105-005

CRYSTAL GROWTH IN SnO₂ NANOCRYSTALS - A HRTEM STUDY

Leite, E.R.; Giraldo, T.R.; Pontes, F.M.

M0105-006

SHAPE AND SIZE TUNABILITY IN Au AND Ag COLLOIDAL NANOPARTICLES

Rocha, T.C.R.; Novo, C.S.; Zanchet, D.

M0105-007

EXTENDED DEFECT FORMATION AFTER LOW ENERGY HE IMPLANTATION

da Silva, D. L.; Mörschbacher, M. J.; Fichtner, P. F. P.; Behar, M.

M0105-008

STRUCTURAL AND MAGNETOTRANSPORT PROPERTIES OF Co/SiO₂ GRANULAR MULTILAYERS

Denardin, J. C.; Knobel, M.; Domeles, L. S.; Schelp, L. F.

M0105-009

QUANTUM CONDUCTANCE AND ATOMIC STRUCTURE OF COPPER

González, J. C.; Rodrigues, V.; Bettini, J.; Rocha, A. R.; Rego, L. G. C.; Ugarte, D.

M0105-010

CHARACTERIZATION OF CeO₂ - ZrO₂ MIXED OXIDES NANOPARTICLES

Letichevsky, S.; Jardim, P.M.; Fraga, M.A.; Rizzo, F.; Avillez, R.R.; Appel, L.G.; Pais da Silva, M.I.

M0105-011

STUDY OF THE INFLUENCE OF THE SYNTHESIS VARIABLES, TYPE OF PASSIVANT AND THERMAL STABILITY OF LIGAND-STABILIZED SILVER

NANOPARTICLES

Oliveira, M.M.; Ugarte, D.; Zanchet, D.; Zarbin, A.J.G.

M0105-012