

Oral communications presented by BERG and/or BSRG members from 2008 - 2011

2011

International Invited Oral Communications 2011

Hakemeyer, C., Werz, S., Folque, F., José, G., Menezes, J.C., Strauss, U., "At-Line NIR spectroscopy as a simple and effective PAT monitoring technique in mab cultivations during process development and manufacturing", AIChE Annual Meeting, Minneapolis, USA, October 2011

Ferreira, I.F., de Carvalho, C.C.C.R., Wang, D.I.C., Aires-Barros, M.R., "Crude oil microbial desulfurization: A viable green technology for sulfur elimination in refineries", The 11th International Chemical and Biological Engineering Conference | CHEMPOR 2011, Caparica, Portugal, September 2011

Lourenço, V., Herdling, T., Reich, G., Menezes, J.C., Schewitz, J., "Combining microwave resonance technology to multivariate data analysis as a novel PAT tool to improve process understanding in fluid bed granulation", AIChE Annual Meeting, Minneapolis, USA, October 2011

Menezes, J.C., "From process-centered to product-centered QbD", EUROPACT 2011, Glasgow, Scotland, April 2011 [Keynote Lecture]

Menezes, J.C., "Quality by design: Tools and Platforms", 5th International Congress Pharma. Engineering, Graz, Austria, September 2011

Menezes, J.C., "PAT in different industries: Challenges & Opportunities for NIRS", NIR2011, Cape Town, South Africa, May 2011 [Keynote Lecture]

Menezes, J.C., "Modern pharmaceutical development and manufacturing: A decade into using multivariate data analysis", - 11th annual conference of the European Network for Business and Industrial Statistics | ENBIS-11, Coimbra, Portugal, September 2011

Menezes, J.C., "Process Analytical Technology (PAT) across different industries: Challenges and opportunities in Process Development", - The 11th International Chemical and Biological Engineering Conference | CHEMPOR 2011, Caparica, Portugal, September 2011

Schewitz, J., Herdling, T., Lochmann, D., Reich, G., Menezes, J.C., "Real-Time release strategy in MERCK SERONO: A pharmaceutical industry perspective", 25th International Process Analytical Technology Forum | IFPAC, Baltimore, Maryland (USA), January 2011

Schewitz, J., Herdling, T., Lochmann, D., Reich, G., Menezes, J.C., "PAT strategy in Merck Serono: A pharmaceutical industry perspective", 8th European Congress of Chemical Engineering, Berlin, Germany, September 2011

National Invited Oral Communications 2011

Fernandes, P. "Miniaturization in bioprocesses: a resilient approach or just another fad?" 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Madeira, C., Cabral, J.M.S., "Células estaminais e cartilagem", 3º Curso teórico-prático de Cartilagem Articular, Lisbon, Portugal, November 2011

Madeira, C., Cabral, J.M.S., "Gene delivery to adult stem cells: pre-clinical studies and clinical trials", IX Encontro de Engenharia Biomédica, IST/FMUL, Hospital de Santa Maria, Lisbon, Portugal, November 2011

Oliveira, P.H., "Biofármacos: Desafios e Limitações", Tertúlias FNACiência, FNAC Guimarães, Portugal, June 2011

Oliveira, P.H., "Da sala de aula ao laboratório – Uma experiência na primeira pessoa", Jornadas de Engenharia Química e Biológica (JEQB), Instituto Superior Técnico, Lisbon, Portugal, March 2011

Sá-Correia I, "Chemical stress defense mechanisms in the Yeast model: molecular systems-biology approach", 14ª edição Portugaliae Genética (Model Organisms: Humans et al.), IPATIMUP, Porto, Portugal, 17,18 March 2011.

Teixeira, M.C., "Role and regulation of the Drug:H⁺ Antiporter family: from *S. cerevisiae* to *C. glabrata*", keynote speaker at Microbiotec'11, Functional Genomics and Systems and Synthetic Biology session, Braga, Portugal, 1-3 Dec 2011.

International Oral Communications 2011

Bernardes N, Ribeiro AS, Seruca R, Paredes J and Fialho AM. Bacterial protein azurin as a new candidate drug to treat untreatable breast cancers. MicroBiotec'11, Braga, Portugal, December (2011)

Bessa, A., Madeia, P.P., Ribeiro, L.A., Aires-Barros, M.R., Reis, C.A., Rodrigues, A.E., Zaslavsky, B.Y., "Solvnets features of ATPS formed by different polymers and salt additives", 16th International Conference on Biopartitioning and Purification | BPP2011, Puerto Vallarta, Mexico, September 2011

Borlido, L., Azevedo, A.M., Roque, A.C.A., Aires-Barros, M.R., "Affinity based purification of human monoclonal antibodies from CHO cell supernatants using boronic acid magnetic particles", 19th Biennial Meeting of the International Society for Molecular Recognition | Affinity 2011, Tavira, Portugal, June 2011

de Carvalho, C.C.C.R., "Bacterial adaptation to antineoplastic agents involve biofilm formation", 15th International Biodeterioration & Biodegradation Symposium | IBBS-15, Wien, Austria, September 2011

Dias PJ, Monteiro PT, Oliveira AL, Freitas AT, Sá-Correia I, Teixeira MC, Insights into the transcription regulatory network controlling the multidrug resistance gene FLR1: a systems biology approach, oral presentation at the 25th International Conference on Yeast Genetics and Molecular Biology, 10-16 July 2011, Olsztyn-Kortowo, Poland.

Ferreira, A.S., Silva, I.N., Becker, J.D., Moreira L.M., "Role of tyrosine kinase BceF in Burkholderia physiology". 15th International Burkholderia cepacia working group (IBCWG) Meeting, Prague, Czech Republic, April (2011);

Ferreira, I.F., de Carvalho, C.C.C.R., Wang, D.I.C., Aires-Barros, M.R., "Crude desulfurization in organic aqueous phase biocatalytic systems", 15th International Biodeterioration & Biodegradation Symposium | IBBS-15, Wien, Austria, September 2011

Gomes, A.G., Azevedo, A.M., Aires-Barros, M.R., Prazeres, D.M.F., "On the adsorption of cell impurities from plasmid-containing lysates to phenyl boronate beads", 19th Biennial Meeting of the International Society for Molecular Recognition | Affinity 2011, Tavira, Portugal, June 2011

Grilo, A.M., Ramos, C.G., Sousa, S.A., Arroja, L.G., Capela, I.F., Leitão, J.H., Nadais, H.G., "Microbial population shifts as a tool for improving biogas production in anaerobic reactors". CEST2011, Rhodes, Greece, 8-10 September, 2011.

Moreira LM., "New molecular determinants of Sinorhizobium-Medicago biological nitrogen fixation symbiosis", OCAST Workshop on Medicago transcriptomics, data curation and data analysis, Samuel Roberts Noble Foundation, Ardmore, USA, (2011).

Nascimento, K.S., Santos, J.A., Cavada, B.S., Azevedo, A.M., Aires-Barros, M.R., "Polishing strategies for the purification of *Canavalia brasiliensis* lectin (ConBr) two-phase extracts: Ultrafiltration vs. multistage extraction", 16th International Conference on Biopartitioning and Purification | BPP2011, Puerto Vallarta, Mexico, September 2011

Nunes, M.A., Fernandes, P.C., Ribeiro, M.H., "Microtiter plates as a representative system for enzymatic hydrolysis with PVA-lens shaped particles", 19th Biennial Meeting of the International Society for Molecular Recognition | Affinity 2011, Tavira, Portugal, June 2011

Nuno Bernardes, Ribeiro A. S., Mota B., Matos R.G., Arraiano C., Seruca R., Paredes J., Fialho A.M. "Bacterial protein azurin as a new candidate drug to treat P-cadherin overexpressing breast cancer" MICROBIOTEC 2011, Braga 1-3 Dezembro 2011, Portugal.

Raiado-Pereira, L., Carapeto, A., Mateus, M., Botelho-do-Rego, A.M., "Grafting hydrophobic and affinity interaction ligands on membrane adsorbers: a close-up view by X-ray Photoelectron Spectroscopy", 11th International Chemical and Biological Engineering Conference | CHEMPOR 2011, Lisbon, Portugal, September 2011

Ramos C.G., J.P. da Costa, A.M. Grilo, J. Becker, L.M. Moreira, J.H. Leitão, "Hfq-like RNA chaperones and sRNAs: A new layer of complexity in virulence regulation". MICROBIOTEC 2011, Braga 1-3 Dezembro, Portugal, 2011.

Ramos, C.G., Sousa, S.A., Grilo, A.M., da Costa, P.J.P., Feliciano, J.R., Leitão, J.H., "A RNomics-based strategy identifies regulatory small RNAs in *Burkholderia cepacia* complex". 1st Portuguese Meeting in Bioengineering – Bioengineering and Medical Sciences, The Challenge of the XXI century, Taguspark, Oeiras, Portugal, 1-4 March, 2011.

Rocha, A., Lourenço, N.M.T, "Novel choline based zwitterions", International Conference on Materials and Technologies for Green Chemistry, Tallinn, Estonia, September 2011

Rosa, P.A.J., Azevedo, A.M., Aires-Barros, M.R., "New platforms for the downstream processing of antibodies", 16th International Conference on Biopartitioning and Purification | BPP2011, Puerto Vallarta, Mexico, September 2011

Silva, I.N., Ferreira, A.S., Becker, J.D., Moreira, L.M., "Adaptive developments of *Burkholderia multivorans* clinical isolates during lung colonization – a transcriptomic and phenotypic approach". 15th International *Burkholderia cepacia* working group (IBCWG) Meeting, Prague, Czech Republic, April (2011);

Sousa S.A., C.G. Ramos, A.M. Grilo, J.R. Feliciano, J.H. Leitão, "*Burkholderia cenocepacia* J2315 hfq2 gene plays a role on stress resistance and virulence". 4th Congress of European Microbiologists FEMS2011. Geneve 25-30 June, Switzerland, 2011.

Sousa, S.A., Ramos, C.G., Feliciano, J.R., Leitão, J.H., "Identification and exploitation of *Burkholderia cepacia* complex virulence factors as potential antimicrobial targets". 1st Portuguese Meeting in Bioengineering – Bioengineering and Medical Sciences, The Challenge of the XXI century, Taguspark, Oeiras, Portugal, 1-4 March, 2011.

Sousa, S.A., Ramos, C.G., Grilo, A.M., Feliciano, J.R., Leitão, J.H., "*Burkholderia cenocepacia* J2315 hfq2 gene plays a role on stress resistance and virulence". 4rd Congress of European Microbiologists (FEMS 2011), Genève, Switzerland, 25 – 30 June, 2011.

Trabuco, J.R., Martins, S.A.M., Monteiro, G.A., Conde, J.P., Chu, V., Prazeres, D.M.F., "Testing G protein coupled receptor targets in cells at different scales using fluorescence microscopy: A tool for the development of microfluidic platforms", 19th Biennial Meeting of the International Society for Molecular Recognition | Affinity 2011, Tavira, Portugal, June 2011

National Oral Communications 2011

Azevedo, A.M., Aires-Barros, M.R., "New platforms for the downstream processing of biopharmaceuticals", 1st Portuguese Meeting in Bioengineering: Bioengineering and Medical Sciences - The Challenge of the XXI century | ENBENG 2011, Oeiras, Portugal, March 2011

Azevedo, A.M., Aires-Barros, M.R., “Novel strategies for the purification of monoclonal antibodies”, 1st Portuguese Meeting in Bioengineering: Bioengineering and Medical Sciences - The Challenge of the XXI century | ENBENG 2011, Oeiras, Portugal, March 2011

Barbosa, H.S.C., Fernandes, T.G., Diogo, M.M., Cabral, J.M.S., “Application of a central composite design for modeling mouse embryonic stem cell self-renewal at different O₂ levels”, 6th International Meeting of the Portuguese Society for Stem Cells and Cell Therapy | SPCE-TC, Cantanhede, Portugal, April 2011

Bernardes Nuno, Ribeiro A. S., Seruca R., Paredes J., Fialho A.M. “Bacterial protein azurin as a new candidate drug to treat untreatable breast cancers” “ENBENG 2011: 1st Portuguese Meeting in Bioengineering”, Oeiras, Portugal, 2011

Borlido, L., Azevedo, A.M., Roque, A.C.A., Aires-Barros, M.R., “Potential of boronic acid magnetic particles in the direct purification of human monoclonal antibodies from CHO cell supernatants”, 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Dias PJ, Sá-Correia I, Reconstruction of the evolutionary history of the DHA1 family of Yeast multidrug resistance transporters of the major facilitator superfamily, 1st Portuguese Meeting in Bioengineering, Oeiras, Portugal, 1-4 March, 2011

Dias, P.J., Monteiro, P.T., Costa, C.P., Oliveira, A.L., Freitas, A.T., Sá-Correia, I., Teixeira, M.C., Using systems biology approaches to study a multidrug resistance network, oral presentation at the 1st Portuguese Meeting in Bioengineering, 1-4 March 2011, Oeiras, Portugal.

dos Santos, F., Lobato da Silva, C., Andrade, P.Z., Abecasis, M.M., Gimble, J.M., Campbell, A.M., Boucher, S., Roos, E., Kuligowski, S., Chase, L.G., Vemuri, M.C., Cabral, J.M.S., “Clinical grade expansion of human mesenchymal stem cells using a microcarrier-based system under serum-free and xeno-free conditions”, 6th International Meeting of the Portuguese Society for Stem Cells and Cellular Therapy | SPCE-TC, Cantanhede, Portugal, April 2011

Fernandes, T.G., Rodrigues, C.A.V., Miranda, C.C., Diogo, M.M., Cabral, J.M.S., “Towards fully defined culture systems for human induced pluripotent stem cell expansion” 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Madeira A., Mira N.P., Santos P.M., Coutinho C.P., Pinto-de-Oliveira A., Moreira A.S., Roma-Rodrigues C., Sá-Correia I., “OMICS approaches to reveal Burkholderia cenocepacia adaptive strategies to long-term residence in the lungs of cystic fibrosis patients under antibiotic therapy”, 1st Portuguese Meeting in Bioengineering, Portuguese chapter of IEEE EMBS, Oeiras, Portugal, 1-4/03, 2011.

Madeira, C., Reis, M.S.C., Ferreira, F.F.C.G., Rodrigues, C.A.V., Diogo, M.M., Cabral, J.M.S., “Non-viral gene delivery strategies using minicircles into Neural Stem Cells” 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Marques, M.P.C., Fernandes, P., de Carvalho, C.C.C.R., “Process intensification processes for application in bioengineering”, 1st Portuguese Meeting in Bioengineering: Bioengineering and Medical Sciences - The Challenge of the XXI century | ENBENG 2011, Oeiras, Portugal, March 2011

Martins, A.I.F., Brogueira, P., Mateus, M., “On the development of a plasmid DNA probe for interaction force measurements and characterization of membrane adsorbers by AFM”, 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Martins, S.M.A, Trabuço, J., Monteiro, G.A., Conde, J.P., Chu, V., Prazeres, D.M.F., “Microfluidic cell chips: monitoring GPCR activation”, 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011

Monteiro, G.A., "Rational engineering of E. coli strains and plasmids for improved manufacturing of plasmid biopharmaceuticals", 4th Joint National Congress of Microbiology and Biotechnology | Microbiotec11, Braga, Portugal, December 2011 [Keynote Lecture]

Nuno P. Mira, Sandra C Santos, Miguel C Teixeira, Tânia R. Cabrito, Margarida Palma, Artur B. Lourenço, Paulo J Dias, Joana Guerreiro, Ana Moreira, Sílvia Henriques and Isabel Sá-Correia, "Response and Resistance to Drugs and Chemical Stress in the Yeast Model: a Genome- Wide View", 1st National Meeting on Bioengineering, Oeiras, 1-4 March, 2011

Oliveira, P.H., Boura, J.S., Abecasis, M.M., da Silva, C.L., Cabral, J.M.S., "An appraisal of genetic stability in human mesenchymal stem cells", 1st Portuguese Meeting in Bioengineering: Bioengineering and Medical Sciences - The Challenge of the XXI century | ENBENG 2011, Oeiras, Portugal, March 2011

Oliveira, P.H., Boura, J.S., Abecasis, M.M., Gimble, J., da Silva, C.L., Cabral, J.M.S., "Genetic stability during the ex-vivo expansion of human mesenchymal stem cells for clinical applications", 6th International Meeting of the Portuguese Society for Stem Cells and Cellular Therapy | SPCE-TC, Cantanhede, Portugal, April 2011

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International Invited Oral Communications 2010

Aires-Barros, M.R., "Affinity aqueous phase systems for bioseparations", Dutch Separation Technology Institute Congress 2010 | DSTI, Amersfoort, Netherlands, June 2010 [Keynote Lecture]

Cabral, J.M.S, "Bioengineering strategies for stem cell expansion and controlled differentiation", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010 [Plenary Lecture]

Fernandes, P., "Key issues in scaling down fermentation and bioconversion system", ESF Exploratory Workshop on Microreactor Technology for Healthcare Applications | MITHRA, Fiesa, Slovenia, September 2010

Fernandes, P., "Miniaturization in biocatalysis", International Thematic Conference on the Implementation of Microreactor Technology into Biotechnology | IMTB, Ljubljana, Slovenia, September 2010

Fialho AM "A novel paradigm for drug discovery: bacterial protein azurin as a new candidate drug to treat HIV/AIDS and malaria/toxoplasmosis" International Conference on Understanding and Managing Pathogenic Microbes, Chandigarh, India, 22-24 January, 2010

Fonseca, L.P., "Biosensors at nano and micro-scale", International Thematic Conference on the Implementation of Microreactor Technology into Biotechnology | IMTB, Ljubljana, Slovenia, September 2010

Fonseca, L.P., "Cutinase: From molecular level to bioprocess development", GLYMAT Workshop, Mainz, Germany, October 2010

Fonseca, L.P., "Microreactors and other microdevices for analytical and biosensor applications", ESF Exploratory Workshop on Microreactor Technology for Healthcare Applications | MITHRA, Fiesa, Slovenia, September 2010

Marques, M.P.C., Fernandes, P., Cabral, J.M.S., Znidarsic-Plazl, P., "The use of microchannel reactors for steroid biotransformation: in-situ product formation and recovery", Achemasia, Beijing, China, June 2010

Marques, M.P.C., Fernandes, P., Cabral, J.M.S., Znidarsic-Plazl, P., Plazl, I., "Steroid biotransformation and in situ separation within microchannel system", International Thematic Conference on the Implementation of Microreactor Technology into Biotechnology | IMTB, Ljubljana, Slovenia, September 2010

Marques, M.P.C., Fernandes, P., de Carvalho, C.C.C.R., "Blue Biotechnology as a source of iron-chelating compounds", International Meeting on Marine Resources | IMMR'10, Peniche, Portugal, November 2010

Mateus, M., "Membranes for Bioartificial Pancreas", NanoMemCourse, Marie Curie Action - Nano-Structured Materials and Membranes for Health and Sustainable Water, Enschede, The Netherlands, April 2010

Sá-Correia I, "Microbial toxicoproteomics", The 4th EuPA (EUropean Proteomics Association) Meeting and the 6th ProCura Meeting, 2010: A Proteomics Odyssey towards next decades, Estoril October 23-27, 2010.

Sá-Correia I, "Role and regulation of yeast plasma membrane exporters in chemical stress defense, 4th Conference on Physiology of Yeast and Filamentous Fungi" - PYFF4, Rotterdam, 1-4 June, 2010.

National Invited Oral Communications 2010

Cabral, J.M.S., "Células estaminais e cartilagem", 2º Curso de Cartilagem Articular, Lisboa, Portugal, November 2010

Cabral, J.M.S., "Ex-vivo expansion of human stem cells for cellular therapy", OCT 2nd International Workshop - Focus on Advanced Arterial Imaging and Stem Cell Therapy, Lisbon, Portugal, July 2010

Cabral, J.M.S., "Utilização clínica de células estaminais", IX Congresso Luso-Brasileiro de Transplantação, Porto, Portugal, October 2010

Fernandes, T.G., Diogo, M.M., Clark, D.S., Dordick, J.S., Cabral, J.M.S., "Stem cells: High-throughput cellular microarray platforms and applications in drug discovery", 2nd National Meeting on Medicinal Chemistry, Coimbra, Portugal, November 2010

Fonseca, L.P., "Enzimas em aplicações analíticas e biossensores para uma melhor qualidade de vida", I Seminário da Bioengenharia da Escola Superior de tecnologia e gestão, Portalegre, Portugal, January 2010

Mira, N. P., Palma, M., Guerreiro, J. F. and Sá-Correia, I., Genome-wide identification of *Saccharomyces cerevisiae* genes required for tolerance to acetic acid. XVIII Jornadas de Biologia de Leveduras Professor Nicolau van Uden, Lisbon, Portugal, 18-19 June 2010

Nunes, M.A.P., Fernandes, P., Ribeiro, M.H.L., "Design of polyvinyl alcohol networks as supports for naringinase encapsulation", 2nd Post-Graduate iMed.UL Students Meeting, Lisboa, Portugal, 2010

Teixeira, M.C., "Toxicogenómica ambiental no organismo modelo *Saccharomyces cerevisiae*: extrapolação para eucariotas superiores", invited speaker at the II Jornadas de Genética e Biotecnologia, Vila Real, Portugal, 14-15 May 2010

International Oral Communications 2010

Botelho-Cunha, V.A., Velkovski, D., Mateus, M., de Pinho, M.N., Petrus, J.C.C., "Simultaneous synthesis and fractionation of oligosaccharides in a membrane bioreactor", VII Ibero-American Conference on Membrane Science and Technology | CITEM 2010, Sintra, Portugal, April 2010

Cabrito TR, Teixeira MC, Sá-Correia I, Role and regulation of the ABC transporter Pdr18p in yeast adaptive response to auxin-like herbicides, 28th SMYTE, Manesar, Gurgaon (India), 23-27 Sept, 2010, Book of Abstracts T19 (oral communication).

Chelinho S., Moreira-Santos M., Costa C.P., Viana P., Viegas C.A., Fialho A.M., Ribeiro R., Sousa J.P. "Semi-field testing of a bioremediation tool for atrazine contaminated soils: evaluating the efficacy on soil and water compartments" SETAC Europe 20th Annual Meeting, Science and Technology for Environmental Protection, Seville, Spain, 23-27 May, 2010

de Barros, D.P.C., Fernandes, P., Cabral, J.M.S., Fonseca, L.P., "Synthetic application and activity of cutinase in miniemulsion model system: hexyl octanoate synthesis", 9th Congress on Catalysis Applied to Fine Chemicals | CAFC9, Zaragoza, Spain, September 2010

de Barros, D.P.C., "Aroma compounds synthesis using enzymes in different reaction media", National Conference with International participation, Biotechnology for Sustainable Development, Belgrade, Serbia, November (2010)

Dias PJ, Teixeira MC, Santos PM, Telo JP, Lourenço AB, Sá-Correia I, Mechanistic insights into the response and resistance to the agricultural fungicide mancozeb using Omics approaches, 4th Conference on Physiology of Yeast and Filamentous Fungi (PYFF4), Rotterdam, Netherlands, 1-4 June, 2010.

Fernandes, T.G., Diogo, M.M., Fernandes-Platzgummer, A.M., da Silva, C.L., Cabral, J.M.S., "Effect of hypoxia on proliferation and neural commitment of embryonic stem cells at different stages of pluripotency", SBE's 2nd International Conference on Stem Cell Engineering, Boston, USA, May 2010

Fernandes-Platzgummer, A.M., Diogo, M.M, da Silva, C.L., Cabral, J.M.S., "Scale-up of mouse embryonic stem cell expansion: from spinner-flask to a fully controlled bioreactor", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010

Figueira, J.A., Sato, A.H., Fonseca, L.P., Fernandes, P., "Characterization of beta-glucosidase entrapped in Lentikats and in sol-gel supports", XVIII International Conference on Bioencapsulation, Porto, Portugal, October 2010

Folque, F., Fernandes, T.G., Diogo, M.M., Cabral, J.M.S., Menezes, J.C., "Monitoring stem cell cultivations with NIR spectroscopy", The Federation of Analytical Chemistry and Spectroscopy Societies Conference, Raleigh, USA, October 2010

Fonseca, L.P., Lourenço, N., "New conducting biomaterial - Ion Jelly®", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010

Hatami, J., Shadpour, M.T., Shokrgozar, M.A., "Effect of cyclic stretch on visco-elastic deformation of endothelial cells in micropipette aspiration experiment", 6th World Congress of Biomechanics | WCB 2010, Singapore, August 2010

Loura, L., Madeira, C., Coutinho, A., Prieto, M., "Characterization of lipid/DNA and lipid/protein assemblies by fluorescence resonance energy transfer", IV Spanish-Portuguese Biophysical Congress, Zaragoza, Spain, July 2010

Madeira, A., Santos, P.M., Coutinho, C.P., Pinto-de-Oliveira, A., Sá-Correia, I., "Quantitative proteomics (2D-DIGE) to reveal the molecular strategies employed by Burkholderia cenocepacia to adapt to the airways of cystic fibrosis patients under antimicrobial therapy", 4th EuPA Meeting and 6th ProCura Meeting - 2010 Proteomics ODYSSEY towards next decades, Estoril, Portugal, 23-27/10, 2010.

Marcelo I., Santos C., Bernardes N., Gonçalves J., Chakrabarty A.M., Fialho A. M. "The anti-HIV-1 properties of the bacterial protein azurin" Rational Design of HIV Vaccines and Microbicides EUROPRIDE Annual Conference, Lisbon, Portugal, 15-18 November, 2010

Martins, S.A.M., Martins, V.C., Frasco, M.T.B.F., Castro, A.G.B., Freitas, P.P., Fonseca, L.P., "Magnetic labeling of waterborne pathogens towards a magnetoresistive-based biochip", 7th Ibero-American Congress on Sensors | IBERoSensors 2010, Lisboa, Portugal, November 2010

Menezes, J.C., "Quality by design & multivariate process representations for biologics manufacturing", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010

Menezes, J.C., Gaspar, R.S., Bordado, J.C., Morais, J.G., "Pharmaceutical engineering: The Lisbon Masters Program", EAEP Annual Conference, Catania, Italy, June 2010

Raiado-Pereira, L., Prazeres, D.M.F., Mateus, M., "Characterization of dynamic binding capacities and selectivity of HIC membrane adsorbers for purification of plasmid DNA", VII Ibero-American Conference on Membrane Science and Technology | CITEM 2010, Sintra, Portugal, April 2010

Silva, C.S.O., Garcia, J., Lansalot, M., Afonso, C.A.M., Martinho, J.G.M., Taipa, M.A. "Bioinspired affinity polymer systems for antibody molecular recognition and purification", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010

Sousa, M., Brás, A.R., Ferreira F.C., de Pinho, M.N., Correia, N.T., Dionísio, M., "Physico-chemical and dynamical characterization of a cellulose acetate membrane", International Conference on Broadband Dielectric Spectroscopy and its Applications, Madrid, Spain, September 2010

National Oral Communications 2010

Cledir Santos, Carla Coutinho, Isabel Sá-Correia, Nelson Lima, "Intact-cell MALDI-TOF (ICM) mass spectrometry for rapid identification and subtyping of Burkholderia cepacia complex bacteria", 2nd Scientific Meeting of Institute for Biotechnology and Bioengineering (IBB), Braga, Portugal, 23/10-24/10, 2010

Dias PJ, Seret M-L, Goffeau A, Sá-Correia I, Baret P, Evolution of the 12-spanner drug:H⁺ antiporter DHA1 family in hemiascomycete yeasts, XVIII Jornadas de Biologia de Leveduras "Nicolau van Uden", Lisboa, Portugal, 18-19 June, 2010.

dos Santos, F., Andrade, P.Z., Abecasis, M.M., Gimble, J., da Silva, C.L., Cabral, J.M.S., "Ex-vivo expansion of human mesenchymal stem cells on microcarriers under low serum and serum-free culture conditions", 5th International Meeting of the Portuguese Society for Stem Cells and Cell Therapies - SPCE-TE, Caldas das Taipas, Portugal, May 2010

Madeira, C., Ribeiro, S.C., Pinheiro, I., Andrade, P.Z., da Silva, C.L., Cabral, J.M.S., "Efficient gene transfer to human Mesenchymal stem cells using microporation", 5th International Meeting of the Portuguese Society of Stem Cells and Cellular Therapies | SPCE-TE, Caldas das Taipas, Portugal, May 2010

Nuno P Mira, Adaptive response and tolerance to acetic acid stress in yeast: a genome-wide view, 2nd Meeting of the Institute for Biotechnology and Bioengineering, Braga, 23-24 October, 2010

Nuno P Mira, Gene expression regulation mediated by the acetic acid-responsive yeast transcription factor Haa1p: DNA binding site and role of copper in DNA binding, XX Jornadas de Biologia de Leveduras Professor Nicolau van Uden, Lisboa, 18-19 June, 2010

Oliveira, P.H., da Silva, C.L., Cabral, J.M.S., "Bias in human mitochondrial DNA repeat distribution correlates with common deletion/amplification breakpoints involved in genetic disorders and cancer", 5th International Meeting of the Portuguese Society of Stem Cells and Cellular Therapies | SPCE-TE, Caldas das Taipas, Portugal, May 2010

Pereira, R.M., Marques, M.P.C., de Carvalho, C.C.C.R., "O Mar como fonte de microorganismos produtores de compostos quelantes", Jornadas do Mar, Escola Naval, Lisboa, November 2010

Santos MR, Marques AT, Santos MFB, Becker JD, Moreira LM., "New insights in the molecular events underlying Medicago-Sinorhizobium biological nitrogen fixation symbiosis", 2nd Meeting of the Institute for Biotechnology and Bioengineering, Braga, Portugal, (2010).

Sousa, M., Brás, A.R., Ferreira, F.C., de Pinho, M.N., Correia, N.T., Dionísio, M., "Dynamical behaviour of E7 in cellulose acetate material", XVI Encontro Luso-Galego de Química, Aveiro, Portugal, December 2010

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Fonseca, L.P., "Biotatálise enzimática, dos reactores industriais aos micro-reactores", Jornadas Biotecnologia ESB-UCP, Porto, October 2009

Fonseca, L.P., "Biotatálise no desenvolvimento de processos industriais mais sustentáveis e amigos do ambiente", Jornadas Tecnológicas da UNL-FCT | JORTEC 2009, Lisboa, May 2009

Fonseca, L.P., "New trends in biocatalysis in industrial biotechnology", Joint Meeting of the Portuguese Society of Microbiology and of the Portuguese Society of Biotechnology | MicroBiotec09, Vilamoura, November 2009

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