

Oral communications presented by BERG and/or BSRG members from 2008 - 2012

2012

International Invited Oral Communications 2012

Aires-Barros, M.R., "Aqueous two-phase systems: a new platform for biopharmaceuticals purification", 6th International Meeting on Biotechnology | BioSpain2012, Bilbao, Spain, September 2012

Aires-Barros, M.R., "Aqueous two-phase systems: a new platform for biopharmaceuticals purification", invited lecture in the series of department lectures of the Department of Biochemical and Chemical Engineering, Dortmund University, Germany, April 2012

Cabral, J.M.S., "Stem Cell Engineering for Cellular Therapies", Stem cells and metabolism symposium at Institute of Biomedical Engineering Metabolic Technology Network, Imperial College, London and the Cell Control in a Petri Dish (CCPD) Collaborative Network, Nottingham, UK, November 2012

National Invited Oral Communications 2012

Cabral. J.M.S., "Avanços da Biotecnologia em Portugal", Conferência OeirasBioTech, Oeiras, Portugal, March 2012

da Silva, C.L., "Células Estaminais e Cartilagem", 4th Workshop on Articular Cartilage, Lisbon, November 2012

de Carvalho, C.C.C.R., "Taking advantage of bacterial adaptation to the marine environment", Jornadas do Centro de Investigação CB3 (Biologia, Biotecnologia e Biomedicina), Lisbon, Portugal, June 2012

Fernandes T.G., "High-throughput cellular microarray platforms: applications in drug discovery, toxicology and stem cell research", Workshop Nano12 - Shaping the Future, Lisbon, October 2012

Fernandes, P., "Enzyme immobilization: more than a one-trick pony", Jornada do Centro de Investigação CB3, Lisbon, June 2012

Fernandes, P., "Miniaturização em Biotecnologia: promessas, realidades e perspetivas", XV Jornadas de Engenharia Biológica, Braga, November 2012

Ferreira AS, Silva IN, Becker JD, McClean S, Callaghan M, Moreira LM., "Involvement of the BceF tyrosine kinase in stress response, biofilm formation and virulence in Burkholderia cepacia IST408 clinical isolate", XXXVII Jornadas de Genética, Lisboa, Portugal, (2012).

Fialho A.M. "Bacterial proteins, a new class of multifunctional anticancer drugs" 3rd PhD Meeting ITQB, 10-12 Outubro, Oeiras, Portugal, 2012

Marques, M.P.C., de Carvalho, C.C.C.R., "Bactérias produtoras de sideróforos", Conferência "Baía do Seixal – Estuário do Tejo – A importância dos Ecossistemas Aquáticos", Seixal, November 2012



Palma, M., Madeira, S. C., Mendes-Ferreira, A. and Sá-Correia, I., Impact of assimilable nitrogen availability in glucose uptake kinetics in *Saccharomyces cerevisiae* during alcoholic fermentation. XIX Jornadas de Biologia de Leveduras Professor Nicolau van Uden, Lisbon, Portugal, 15-16 June 2012

Prazeres, D.M.F., "Biomimetismo: Inovação inspirada na vida marinha", inauguration session of the exhibition "Biomimicry: Innovation inspired by marine life", Vasco da Gama Aquarium, Lisbon, November 2012

Sá-Correia, "Systems-based understanding of chemical stress defense mechanisms in yeast: challenges and opportunities", António V. Xavier Seminars, ITQB, Oeiras, 29th Nov, 2012

Santhagunam, S., dos Santos, F., Madeira, C., Salgueiro, J., Cabral, J.M.S., "In vitro expansion of Synovial Mesenchymal Stem Cells", 4th workshop on Articular Cartilage, Lisbon, November 2012

Silva IN, Ferreira AS, Becker JD, Tavares AC, Moreira LM., "Genotype and phenotype variation of *Burkholderia multivorans* sequential isolates during long-term colonization of the airways of cystic fibrosis patients", XXXVII Jornadas de Genética, Lisboa, Portugal, (2012).

International Oral Communications 2012

Andrade, P.Z., dos Santos, F., Almeida-Porada, G., da Silva, C.L., Cabral, J.M.S., "Bioengineering approaches for the optimization of the ex-vivo expansion of hematopoietic stem/progenitor cell for cell therapy", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Andrade, P.Z., dos Santos, F., Almeida-Porada, G., da Silva, C.L., Cabral, J.M.S., "Bioengineering approaches for the optimization of the ex-vivo expansion of hematopoietic stem/progenitor cell for cell therapy", 3rd International Conference on Stem Cell Engineering | ICSCE 2012, Seattle, USA, April-May 2012

Andrade, P.Z., dos Santos, F., Almeida-Porada, G., da Silva, C.L., Cabral, J.M.S., "Towards optimal culture conditions for the ex-vivo expansion of umbilical cord blood hematopoietic stem/progenitor cells for cell therapy", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

Azevedo, A.M., Aires-Barros, M.R., "Aqueous two-phase systems for antibodies purification: from macro to micro-scale", Recovery of Biological Products XV, Stowe (VT), USA, July – August 2012

Azevedo, A.M., Aires-Barros, M.R., "Revisiting aqueous two-phase extraction for antibodies purification: from a mixer settler battery to microfluidic devices", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Badenes, S.M., Lemos, F., Cabral, J.M.S., "Continuous biodiesel production in a cutinase membrane bioreactor", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

Barbosa, H.S.C., Fernandes, T.G., Dias, T.P., Diogo, M.M., Cabral, J.M.S., "Multifactorial analysis of embryonic stem cell self-renewal reveals a crucial role of GSK-3-mediated signaling at physiological oxygen levels", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

Barbosa, H.S.C., Meli, L., Diogo, M.M., Linhardt, R.J., Cabral, J.M.S., Dordick, J.S., "Three-dimensional neural stem cell culture microarray for high-throughput studies of neuronal differentiation and toxicology", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Borlido, L., Moura, L., Azevedo, A.M., Roque, A.C.A., Farinha, J.P.S., Aires-Barros, M.R., "Thermo-responsive magnetic particles in antibody separation", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012 [Keynote lecture]

Buziol, S., Menezes, J.C., "Combination of spectroscopic methods for Inline-monitoring and control of mammalian cell cultivations", IFPAC Annual Meeting 2012, Baltimore, Maryland, USA, January 2012

Carvalho, R.Jr., Woo, J., Azevedo, A.M., Cramer, S.M., Aires-Barros, M.R., "Phenyl boronic acid as ligand for a multimodal chromatography", 32th International Symposium on the Separation of Proteins, Peptides and Polynucleotides | ISPPP, Istanbul, Turkey, September 2012

Costa, AC, Pires C, Henriques A, Camacho G, Cabrito T, Sá-Correia I, Teixeira MC, CgQdr2 drug:H⁺ antiporter from the pathogenic yeast Candida glabrata: role and regulation in azole drug resistance, XIX Jornadas de Leveduras Prof. Nicolau van Uden, 15-16 Jun 2012, Caparica, Portugal.

da Fonseca, M.M.R., Cavalheiro, J.M., de Almeida, C.D., de Carvalho, C.C.C.R., Cesário, T., Raposo, R., Pollet, E., Diogo, H., "Upgrade of waste glycerol to short-chain polyhydroxyalkanoates co-polymers", Environmental, Microbiology & Biotechnology in the frame of the knowledge-Based Bio & Green Economy | EMB2012, Bologna, Italy, April 2012

da Silva, C.L., Andrade, P.Z., dos Santos, F., Almeida-Porada, G., Cabral, J.M.S., "Bioengineering approaches for the optimization of the ex-vivo expansion of hematopoietic stem/progenitor cells for cell therapy", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

da Silva, C.L., dos Santos, F., Andrade, P.Z., Abecasis, M.A., Gimble, J., Campbell, A., Boucher, S., Roos, E., Kuligowski, S., Chase, L., Vemuri, M., Cabral, J.M.S., "Scalable expansion of human mesenchymal stem cells using a microcarrier-based system under serum-free and xeno-free conditions", Scale-Up and Manufacturing of Cell-Based Therapies, ECI, San Diego, California, USA, January 2012

de Barros, D.P.C., Campos, S.R.R., Madeira, P.P., Azevedo, A.M., Baptista, A.M., Aires-Barros, M.R., "Prediction of protein partitioning in aqueous two-phase system using a semi-empirical approach", 32th International Symposium on the Separation of Proteins, Peptides and Polynucleotides | ISPPP, Istanbul, Turkey, September 2012

de Carvalho, C.C.C.R., "Production of energy with bacterial cells", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

de la Vega, J., Monteiro, G.A., Prazeres, D.M.F., "Impact of plasmid quality on lipoplex mediated transfection", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

dos Santos, F., Andrade, P.Z., Abecasis, M.A., Gimble, J., Campbell, A., Boucher, S., Roos, E., Kuligowski, S., Chase, L., Vemuri, M., da Silva, C.L., Cabral, J.M.S., "Scalable expansion of human mesenchymal stem cells using a microcarrier- based system under serum-free and xeno-free conditions", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

dos Santos, F., da Silva, C.L., Andrade, P.Z., Abecasis, M.M., Gimble, J., Campbell, A., Boucher, S., Roos, E., Kuligowski, S., Chase, L., Vemuri, M., Cabral, J.M.S., "Scalable expansion of human mesenchymal stem cells using a microcarrier-based system under serum-free and xeno-free conditions", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Gil, F.N., Gonçalves, A.C., Böcker, J.D., Viegas, C.A., "Pesticide toxicity studies using gene expression profiling in the model yeast *Saccharomyces cerevisiae*", 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment & 13th Symposium on Chemistry and Fate of Modern Pesticides", Porto, Portugal, October (2012)



Gonçalves, G.A.L., Prather, K.L.J., Monteiro, G.A., Prazeres, D.M.F., "Rational engineering of Escherichia coli strains for improved manufacturing of plasmid biopharmaceuticals", Protein and Antibody Engineering Summit, Viena, Austria, November 2012

Hakemeyer, C., Strauss, U., Jose, G.E., Folque, F., Menezes, J.C., "Developing scale-independent NIR calibrations for PAT monitoring of mab cultivations during development and manufacturing", IFPAC Annual Meeting 2012, Baltimore, Maryland, USA, January 2012

Hakemeyer, C., Strauss, U., Jose, G.E., Folque, F., Menezes, J.C., "Predicting MAb product yields using near-infrared and 2D-fluorescence spectra of cultivation media components", IFPAC Annual Meeting 2012, Baltimore, Maryland, USA, January 2012

Marques, M.P.C., Fernandes P., de Carvalho, C.C.C.R., "From the ocean to the market: filling the gap", International Meeting on Marine Resources | IMMR'12, Peniche, Portugal, May 2012

Matos, R.G., Fialho, A.M., López-Viñas, E., Gomez-Puertas, P. Schuster, G., Arraiano, C.M. "The evolution of the RNase II-family of exoribonucleases: singular features in Archaea and Cyanobacteria" FASEB Meeting: Post-transcriptional control of gene expression: mechanisms of mRNA decay, June 24-29, Steamboat Springs, Colorado, 2012

Meli, L., Barbosa, H.S.C., Diogo, M.M., Linhardt, R.J., Cabral, J.M.S., Dordick, J.S., "Three-dimensional cellular microarray platform for human neural stem cell differentiation and toxicology studies", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

Menezes, J.C., Sacher, S., Scharrer, G., Leitgeb, S., Voura, C., Fraser, S.D., Khinast, J.G., "A pharmaceutical engineering process/product life-cycle approach to drug product development and manufacturing", AIChE Annual Meeting 2012, Pittsburgh, USA, October 2012

Oliveira, P.H., da Silva, C.L., Cabral, J.M.S., "An appraisal of human mtDNA instability: role of DNA topology and sequence motifs", 15th European Congress on Biotechnology-Biocrossroads, Istanbul, Turkey, September 2012

Raiado-Pereira, L., de la Vega, J., Mateus, M., Monteiro, G.A., Prazeres, D.M.F., "Efficiency of transient transfection in a mammalian cell model influenced by pDNA purification by membrane-HIC", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Ramos C.G., A.M. Grilo, P.J.P. da Costa, J. R. Feliciano, J.H. Leitão*, "Towards the unveiling of the biological roles played by small non-coding RNAs in the opportunistic pathogens of the Burkholderia cepacia complex". FEBS International Workshop "New Developments in RNA Biology". 1-4 September, Tavira, Portugal, 2012.

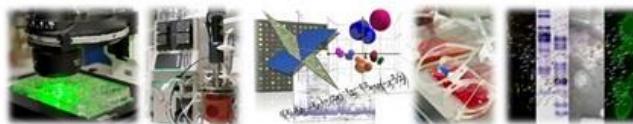
Rodrigues, C.A.V., Diogo, M.M., da Silva, C.L., Cabral, J.M.S., "Design and operation of a bioreactor system for the expansion of mouse embryonic stem cell-derived neural stem cells on microcarriers", 243rd ACS National Meeting – Chemistry of Life, San Diego, USA, March 2012

Rodrigues, C.A.V., Diogo, M.M., da Silva, C.L., Cabral, J.M.S., "Design and operation of a bioreactor system for the expansion of mouse embryonic stem cell-derived neural stem cells on microcarriers", 9th European Symposium on Biochemical Engineering Science | ESBES, Istanbul, Turkey, September 2012

Sacher, S., Wahl, P., Markl, D., Treffer, D., Menezes, J.C., Koscher, G., Roblegg, E., Khinast, J.G., "PAT for pharmaceutical extrusion monitoring and supervisory control", AIChE Annual Meeting 2012, Pittsburgh, USA, October 2012

Schewitz, J., Herdling, T., Lochmann, D., Reich, G., Menezes, J.C., "QbD: A case-study from an industrial pharmaceutical fluid bed granulation", IFPAC Annual Meeting 2012, Baltimore, Maryland, USA, January 2012

Schewitz, J., Herdling, T., Lochmann, D., Reich, G., Menezes, J.C., "Comparison of different techniques for determination of particle size distributions of pharmaceutical granules", IFPAC Annual Meeting 2012, Baltimore, Maryland, USA, January 2012



Simões, I.N., Boura, J., dos Santos, F., Andrade, P.Z., Cardoso, C., da Silva, C.L., Cabral, J.M.S., "Isolation and characterization of mesenchymal stem cells from umbilical cord matrix using a fully defined serum-/xeno-free system", Biomedical Engineering Society Annual Meeting | BMES 2012, Atlanta, USA, October 2012

Teixeira MC, Systematic functional analysis of the drug:H⁺ antiporter family from the pathogenic yeast *C. glabrata*, Yeast Genetics and Molecular Biology Meeting, July 31 - August 5 2012, Princeton, NJ, USA.

Viegas, C.A., Chelinho, S., Moreira-Santos, M., Silva, V., Mateus, C., Ribeiro, R., Fialho, A.M., Sousa, J.P. "Pseudomonas sp. strain ADP as a bioaugmentation bacterium in soil microcosms contaminated with herbicidal formulations containing s-triazines", Symposium on Pollutant degradation under environmental stress: towards rational bioaugmentation - BACSIN2012, Amsterdam, Netherlands, 29-30 Mar, 2012

Viegas, C.A., Chelinho, S., Silva, V., Mateus, C., André, S., Moreira-Santos, M., Viana, P., Ribeiro, R., Fialho, A.M., Sousa, J.P., "Performance of a bioremediation tool based on Pseudomonas sp. strain ADP in soils contaminated with s-triazine herbicides", 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment & 13th Symposium on Chemistry and Fate of Modern Pesticides – Pesticides 2012, Porto, Portugal, October (2012)

National Oral Communications 2012

Barbosa, H.S.C., Fernandes, T.G., Dias, T.P., Diogo, M.M., Cabral, J.M.S., "Multifactorial analysis of embryonic stem cell self-renewal a crucial role of GSK-3-mediated signaling under hypoxia", 3rd Meeting of the Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal, March 2012

Dalila Mil-Homens and Arsénio M. Fialho "Trimeric autotransporter adhesins in the human pathogen *Burkholderia cenocepacia*: a multifunctional family of proteins implicated in virulence" 3rd Scientific Meeting of Institute for Biotechnology and Bioengineering, 16-17 Março, Instituto Superior Técnico, Lisboa, 2012

de Carvalho, C.C.C.R., Marques, M.P.C., Fernandes, P., "Taking advantage of bacterial adaptation to the marine environment", 3rd Meeting of the Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal, March 2012

Dias PJ, Sá-Correia I, Evolution of the 12-spanner drug:H⁺ antiporters of family 1 (DHA1) in the pathogenic *Candida* species: phylogenetic analysis of Mdr1 and Flu1 proteins, XIX Jornadas de Biología de Leveduras "Nicolau van Uden", Campus da Caparica, Portugal, 15-16 June, 2012.

dos Santos, F., Andrade, P.Z., Abecasis, M.M., Gimble, J., da Silva, C.L., Cabral, J.M.S., "A serum-free and xeno-free microcarrier-based scalable system for the expansion of human mesenchymal stem/stromal cells", 7th International Meeting of the Portuguese Society for Stem Cells and Cell Therapies, Porto, Portugal, April 2012

Fernandes, P., Marques, M.P.C., de Carvalho, C.C.C.R., Cabral, J.M.S., "The role of microreactors in the development of bioconversion processes", 3rd Meeting of the Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal, March 2012

Ferreira, A.S., Silva, I.N., Becker, J.D., McClean, S., Callaghan, M., Moreira, L.M., "Involvement of BceF tyrosine kinase in stress response, biofilm formation and virulence *Burkholderia cepacia* IST408 clinical isolate". XXXVII Jornadas Portuguesas da Genética, Lisbon, Portugal, May (2012);

Fonseca, M.D., de Carvalho, C.C.C.R., "Monitoring bacterial performance using fluorescence microscopy", XLVI Congress of the Portuguese Society for Microscopy | SPMicros 2012, Lisbon, Portugal, September 2012

Goncalves, G.A.L., Prather, K.L.J., Monteiro, G.A., Prazeres, D.M.F., "De novo creation of MG1655-derived *E. coli* strains specifically designed for plasmid DNA production", 3rd Meeting of the Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal, March 2012

Madeira, A., da Silva, C.L., dos Santos, F., Cabral, J.M.S., Sá-Correia, I., "Human mesenchymal stem cells expression program upon extended ex-vivo cultivation, as revealed by 2-DE-based quantitative proteomics", 7th International Meeting of the Portuguese Society for Stem Cells and Cell Therapies, Porto, Portugal, April 2012

Marques, M.P.C., de Carvalho, C.C.C.R., "Bactérias produtoras de sideróforos", Conferência "Baia do Seixal – Estuário do Tejo – A importância dos Ecossistemas Aquáticos, Seixal, Portugal, November 2012

Nunes, M.A., Fernandes, P.C., Ribeiro, M.H.L., "Process engineering and operational stability of PVA-naringinase - comparative studies between microtiter, parallel stirred and packed bed reactor system", 4th Postgraduate iMed.UL Students Meeting, Lisbon, Portugal, December 2012

Nuno P. Mira, Involvement of the Haa1p-dependent regulatory network in *S. cerevisiae* response to acetic acid stress: genome-wide approaches guided by bioinformatic analysis, 1st symposium in Bioinformatics, Universidade de Trás-os-Montes e Alto Douro, 15th February, (2012)

Oliveira, P.H., Lobato da Silva, C., Cabral, J.M.S., "An appraisal of human mtDNA instability: role of DNA topology and composition", 3rd Meeting of the Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal, March 2012

Santos MR, Marques AT, Becker JD, and Moreira LM. (2012). Involvement of the TetR transcriptional regulator SMc03169 in pH sensitivity and contribution to nodulation competitiveness in *Sinorhizobium meliloti*. 3rd Meeting of the Institute for Biotechnology and Bioengineering, Lisbon, Portugal.

Silva, I.N., Ferreira, A.S., Becker, J.D., Tavares, A.C., Moreira, L.M., "Genotype and phenotype variation of *Burkholderia multivorans* sequential isolates during long-term colonization of the airways of cystic fibrosis patients". XXXVII Jornadas Portuguesas da Genética, Lisbon, Portugal, May (2012);

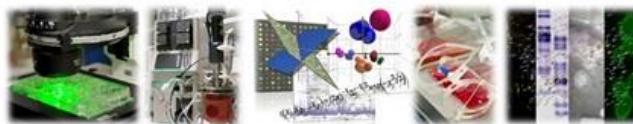
Simões, I.N., Boura, J., dos Santos, F., Andrade, P.Z., Cardoso, C., da Silva, C., Cabral, J.M.S., "Successful isolation and ex-vivo expansion of human mesenchymal stem cells from the umbilical cord matrix under serum-/xeno-free culture conditions", 7th International Meeting of the Portuguese Society for Stem Cells and Cell Therapies, Porto, Portugal, April 2012

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. Enginnering, Graz, Austria, September 2011

Menezes, J.C., "PAT in different industries: Challenges & Opportunities for NIR", 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

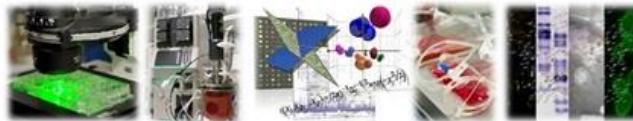
Oliveira, P.H., "Biofármacos: Desafios e Limitações", Tertúlias FNACiência, FNAC Guimarães, Portugal, June 2011

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., "Solvnet 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).

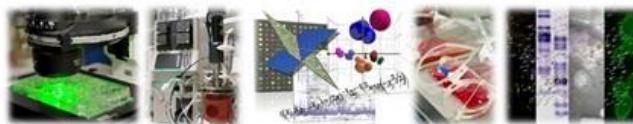
Nascimento, K.S., Santos, J.A., Cavada, B.S., Azevedo, A.M., Aires-Barros, M.R., "Polishing strategies for the purification of Canavalia brasiliensis lectin (ConBr) two-phase extracts: Ultrafiltration vs. multistage extraction", 16th International Conference on Biopartitioning and Purification | BPP2011,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



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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.

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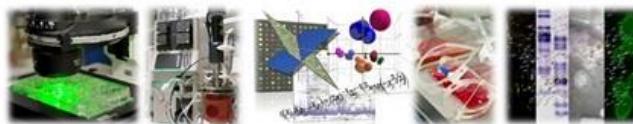
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Borlido, L., Azevedo, A.M., Roque, A.C.A., Aires-Barros, M.R., "Potential of boronic acid magnetic particles in the direct purification of human monoclonal antibodies from CHO cell supernatants", 4th Joint National Congress of Microbiology and Biotechnology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



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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.

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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, Trabuco, 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, Silvia 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.

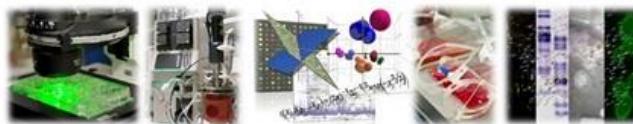
Sá-Correia I, "Role and regulation of yeast plasma membrane exporters in chemical stress defense, 4th Conference on Physiology of Yeast and Filamentous Fungi" - PYFF4, Rotterdam, 1-4 June, 2010.

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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 biosensores 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 Biología 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*: extração para eucariotas superiores", invited speaker at the II Jornadas de Genética e Biotecnologia, Vila Real, Portugal, 14-15 May 2010

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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

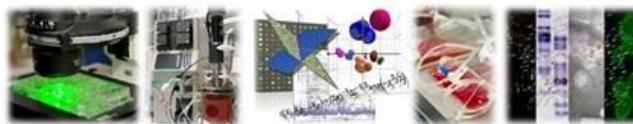
de Barros, D.P.C., "Aroma compounds synthesis using enzymes in different reaction media", National Conference with International participation, Biotechnology for Sustainable Development, Belgrade, Serbia, November (2010)

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.

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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 Metting - 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 EUROPRISE 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 | IBERSensors 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", EAFF 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

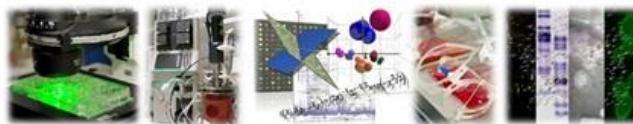
Silva, C.S.O., Garcia, J., Lansalot, M., Afonso, C.A.M., Martinho, J.G.M., Taipa, M.A. "Bioinspired affinity polymer systems for antibody molecular recognition and purification", 8th European Symposium on Biochemical Engineering Science | ESBES, Bologna, Italy, September 2010

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

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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 Biología 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

Teixeira M.C., Monteiro P.T., Dias P.J., Costa C.P., Ropers D., Oliveira A.L., Freitas A.T., Sá-Correia I., "Refining current knowledge on the regulatory network underlying the transcriptional control of the multidrug resistance gene FLR1 combining experimental and computational approaches", oral presentation at the Jornadas Nicolau Van Uden, Lisboa, Portugal, 18-19 Jun 2010

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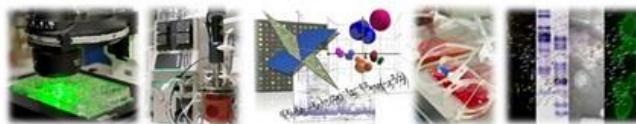
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Barbosa, B., Ramos, C.G., Grilo, A., Sousa, S.A., Capela, I., Arroja, L., Leitão, J.H., Nadais, H., "Bioenergy production from complex wastewaters". 5th International Conference on energy, environment, ecosystems and sustainable development (EEES'09), Athens, Greece, 28-30 September, 2009.

Botelho-Cunha, V., Mateus, M., Petrus, J.C.C., de Pinho, M.N, "Nanofiltration process in fractionation of galacto-oligosaccharides continuously produced in bioreactors", EUROMEMBRANE 2009 Conference, Montpellier, France, September 2009

Carvalho, J., Monteiro, G.A., Atouguia, J., Prazeres, D.M.F., Rodgers, J., "The challenges of developing a DNA vaccine for African Trypanosomiasis", Joint Malaria and Spring Meeting, British Society for Parasitology, Edinburgh, UK, April 2009

Costa C.P., Chelinho S., Moreira-Santos M., Viana P., André S., Lima D., Ribeiro R., Fialho A.M., Sousa J.P., Viegas C.A.* "An integrated approach involving chemical and ecotoxicological evaluation of the efficacy of a bioremediation tool based on bioaugmentation with *Pseudomonas* sp. ADP in soils contaminated with atrazine commercial formulations" BioMicroWorld2009 – III International Conference on Environmental, Industrial and Applied Microbiology, Lisbon, Portugal, 2-4 Dezembro, 2009



Costa C.P., Chelinho S., Moreira-Santos M., Viana P., André S., Lima D., Ribeiro R., Fialho A.M., Sousa J.P., Viegas C.A.* "An integrated approach involving chemical and ecotoxicological evaluation of soils spiked with herbicidal commercial formulations containing atrazine, before and after the implementation of a bioremediation process," MicroBiotec09 – Congresso Nacional de Microbiologia e de Biotecnologia, Vilamoura, Portugal, 28-30 Novembro, 2009

Coutinho C., Pinto-de-Oliveira A., Lopes J.A., Sá-Correia I., " Use of Fourier Transform Infrared Spectroscopy (FTIRS) and chemometrics as a new approach to typing of clinical isolates of the Burkholderia cepacia complex", 3rd FEMS Congress of European Microbiologists (FEMS 2009), Gothenburg, Suécia, 28/06-2/07, 2009.

de Carvalho, C.C.C.R., "Adaptation of bacterial cells to antineoplastic agents may increase the risk of post-chemotherapy infections", BIT's 2nd World Cancer Congress, Beijing, P.R. of China, June 2009 (Invited speaker)

de Carvalho, C.C.C.R., "The remarkable adaptability of Rhodococcus erythropolis cells", III International Conference on Environmental, Industrial and Applied Microbiology | BioMicroWorld2009, Lisbon, Portugal, December 2009

Fernandes, P., Marques, M.P.C., Carvalho, F., Cabral, J.M.S., "Carbohydrate hydrolysis with commercial inulinase entrapped in PVA-based beads", 29th International Exhibition-Congress on Chemical Engineering, Environmental Protection and Biotechnology | ACHEMA 2009, Frankfurt, Germany, May 2009 (Invited speaker)

Ferreira A.S., Silva I.N., Becker J.D., Sousa S.A., Mil-Homens D., Leitão J.H., Fialho A.M., Moreira L.M. "Cepacian biosynthesis in the Burkholderia genus: mechanisms and role in virulence" International Burkholderia cepacia Working Group, Toronto, Canada, April 23-26, 2009

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Ferreira, I.F., de Carvalho, C.C.C.R., Wang, D.I.C., Aires-Barros, M.R., "Desulfurization of crude oil by Rhodococcus erythropolis cells", III International Conference on Environmental, Industrial and Applied Microbiology | BioMicroWorld2009, Lisbon, Portugal, December 2009

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Fonseca, L.P., "From conventional biosensors to new analytical devices for a better quality of life: Magneto-Resistive Biosensors", Biosensor Workshop, University of Ljubljana, Ljubljana, Slovenia, April 2009

Fonseca, L.P., "Modern methods for assessment of enzyme activity in microcapsules", Spring Workshop on Bioencapsulation, Luxembourg, April 2009

Fonseca, L.P., "New conducting biomaterial based on Ion Jelly® technology for development of a new generation of Biosensors", Biosensors Workshop, 14th European Congress on Biotechnology, Barcelona, Spain, September 2009

Gomes, A.G., Azevedo, A.M., Aires-Barros, M.R., Prazeres, D.M.F., "Exploring the interaction of nucleic acids with phenyl boronate ligands as an alternative for the purification of pharmaceutical grade pDNA", 15th International Conference Biopartitioning and Purification | BPP2009, Uxbridge, UK, June 2009

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Mil-Homens D., Fialho A.M. "Identification of a novel virulence-associated adhesin cluster unique to epidemic strains of ET-12 lineage of Burkholderia cenocepacia" MicroBiotec09 – Congresso Nacional de Microbiologia e de Biotecnologia, Vilamoura, Portugal, 28-30 Novembro, 2009

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Monteiro, P.T., Dias, P.J., Ropers, D., Oliveira, A.L., Freitas, A.T., Sá-Correia, I., Teixeira, M.C., "The regulatory network underlying the transcriptional up-regulation of the FLR1 gene in mancozeb stressed yeast cells: qualitative modeling and simulation", 154, oral presentation at the MICROBIOTEC'09, Vilamoura, Portugal, 28-30 Nov 2009.

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Oliveira, P.H., Prather, K.J., Prazeres, D.M.F., Monteiro, G.A., "Structural instability in plasmid vectors for DNA vaccination", III International Conference on Environmental, Industrial and Applied Microbiology | BioMicroWorld2009, Lisbon, Portugal, December 2009

Pereira, A.T., Chu, V., Prazeres, D.M.F., Conde, J.P., "Enzymatic biosensors with integrated thin film a-Si:H photodiodes", Spring Meeting of the Material Research Society | MRS, San Francisco, USA, April 2009

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Sá Correia, I - hot topic speaker, "Genome-wide requirements for maximum tolerance to ethanol and acids in *Saccharomyces cerevisiae*", The 25th International Conference on Yeast Genetics & Molecular Biology, Manchester, 19-23-July, 2009 (invited speaker)

Sá-Correia, I "Quantitative Proteomics: a tool to reveal the complexity of microbial responses to stress", 1st International Congress on Analytical Proteomics - ICAP, 5th Congress of the Portuguese Proteomics Network - ProCura, Costa da Caparica, 30-09-2009-03-10-2009 (invited speaker)

Santa, G.L.M., Bernardino, S.M.S.A., Chheub V, Fonseca, L.P., Fernandes, P., "From inulin to fructose syrups: evaluation of the sol-gel approach for inulinase immobilization", 8th International Meeting of the Portuguese Carbohydrate Group | Glupor 8, Braga, Portugal, September 2009

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Silva, A.I., Mateus, M., "Construction and performance assessment of an in vitro testing device for the development of vascular bio-artificial pancreas", Membranes in Medicine, Workshop in the framework of the European Network of Excellence on Nanoscale-based Membrane Technologies, Lisbon, Portugal, February 2009

Silva, I.N., Ferreira, A.S., Becker, J.D., Ramos, C.G., Mil-Homens, D., Leitão, J.H., Fialho, A.M., Speert, D.P., Moreira, L.M., "Phase variation in *Burkholderia multivorans* clinical isolates", 13th International Burkholderia cepacia working group (IBCWG) Meeting, Toronto, Canada, April (2009)

Sousa, I.T., Taipa, M.A., "Triazine-scaffolded synthetic affinity ligands as a novel tool to improve protein stability", 8th International Conference on Protein Stabilisation | ProStab2009, Graz, Austria, April 2009

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de Carvalho, C.C.C.R., "Rhodococcus: aplicações em Biotecnologia", V Dia de Biologia Marinha e Biotecnologia, Escola Superior de Turismo e Tecnologia do Mar, Peniche, May 2009

Dias PJ, Telo JP, Teixeira MC, Sá-Correia I, Use of chemogenomics to identify genes involved in yeast resistance to the agricultural fungicide mancozeb, XVII Jornadas de Biología de Leveduras "Nicolau van Uden", Braga, Portugal, 19-20 June, 2009.

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Fernandes, P., Marques, M.P.C., Cattorini, S., Carvalho, F., Cabral , J.M.S., "A dual purpose immobilized biocatalyst for inulin and sucrose hydrolysis", Carbohydrates as Organic Raw Materials V (CORM V), Lisbon, January 2009

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

Fonseca, L.P., "Biocatálise 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 biocatalysisin 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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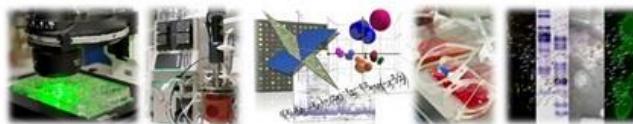
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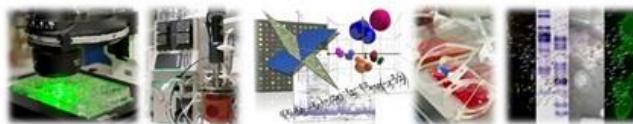
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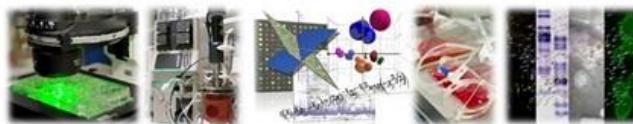
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