FACULDADE DE CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE NOVA DE LISBOA

GABINETE DE PÓS-GRADUAÇÕES DO DEPARTAMENTO DE QUÍMICA

Temas de Mestrado (Ano Lectivo 2014/15)

Nome do Candidato	Tema	Professor Orientador
Ana Bárbara de Sousa Carreira	***Mechanisms underlying intracellular delivery***	Sara Figueiredo
Ana Lúcia Moreira Pinto	***Light harvesting in Solar Cells using of natural pigments from red fruits bonded to mesoporous TiO2***	César Laia
Ana Rita Martins Lourenço de Oliveira	***Nanoparticles as vehicles for the delivery of CO releasing molecules.***	Teresa Santos Silva
André Catarino Guerra	***Employing systems biology tools to analyze biodegradation rates***	Moritz von Stosch
Andreia Filipa Magalhães Seixas Lopes dos Santos	***Strategies to improve drug solubility: impregnation in a thermo-responsive biopolymer***	María Teresa Plaza
Andreia Marisa da Silva Fortuna	***Gold nanoprobes for assessing expression of critical genes in the infection pathway of MRSA***	Rita Sobral
Bruno Miguel da Silva Pedras	***Valorization of green grape pomace through hot compressed water extraction/hydrolysis***	Alexandre Paiva
Cristiana Sofia Ferreira De Sousa	***Enantiomer separation through biocatalysis using NADES and sc-CO2***	Susana Barreiros
Fernando Ramos Silva	***Polyhydroxyalkanoates production from agro-industrial wastes by means of mixed microbial cultures***	Mauro Majone
Joana Raquel Freitas Dias da Silva	***Desenvolvimento e estratégia de lançamento de um kit de diagnóstico para o mercado***	Fernanda Llussá
João Humberto Gonçalves Francisco Nogueira	***Valorization of olive pomace through combination of biocatalysis and supercritical fluid technology***	Pedro Simões
João Rodrigues Correia Ramos	***Analysis of metabolic flux distributions in relation to the extracellular environment in Avian cells***	Moritz von Stosch
José António Fernandes Almeida	***Infection detection in a breath - An artificial nose for microbial detection***	Ana Cecília Roque
José Manuel Rocha Pereira	***Improvement of a photoautotrophic chassis robustness for Synthetic Biology applications***	Paula Tamagnini

Lucie Marianne Januario Charmier	***Uncovering the mechanism of action of Ca2+ modulators in infected macrophages***	Marta Martins
Luísa Maria Ramos Campelo	***Fishing the key biological components of the bacterium Geobacter metallireducens for optimal biotechnological applications***	Carlos Salgueiro
Manuel João de Almeida Albuquerque Brandão Matos	***Process development and optimization towards the scale-up production of a non-antibody scaffold-based biotherapeutic***	António Cunha
Maria João Quitoles de Oliveira	***Estudo e desenvolvimento de um Chip de Microfluídica para amplificação de cadeias de ADN.***	Hugo Águas
Mariana Antunes Coutinho	***Estudos de manipulação e ensaios biomoleculares de eritrócitos em plataforma de microfluídica para "single cell analysis".***	Abel Oliva
Mariana de Carvalho Ribeiro Coutinho	***Desenvolvimento de um teste de diagnóstico serológico rápido para a deteção de Pneumocystis jirovecii em amostras clínicas.***	José Ricardo Tavares
Miguel Monteiro Rosa Campos Palma	***Desenvolvimento de testes de susceptibilidade a antibióticos do tipo e-tests em suportes de papel utilizando a tecnologia lab-on-paper***	Elvira Maria Fortunato
Rafaela Marques Canto	***A New Nanosystem for detection and monitoring of chronic myeloid leukemia***	Pedro Baptista
Sheila Azim Piarali	***Development of process control strategies exploiting knowledge from systems biology: Application to MDCK suspension cells***	Moritz von Stosch
Telma Patricia Soares Simões	***Optimization of respiratory electron transfer chains toward sustainable microbial electricity production***	Carlos Salgueiro
Tiago Miguel Mestre Pereira	***Development of new nanomaterial-based strategies for biotechnological-based approaches***	Hugo Miguel Santos
Vanessa Clemente Almeida	***Dry powder formulations containing bioactive compounds from marine actinobacteria.***	Ana Aguiar Ricardo