



# The 24th International Conference on Arginine and Pyrimidines

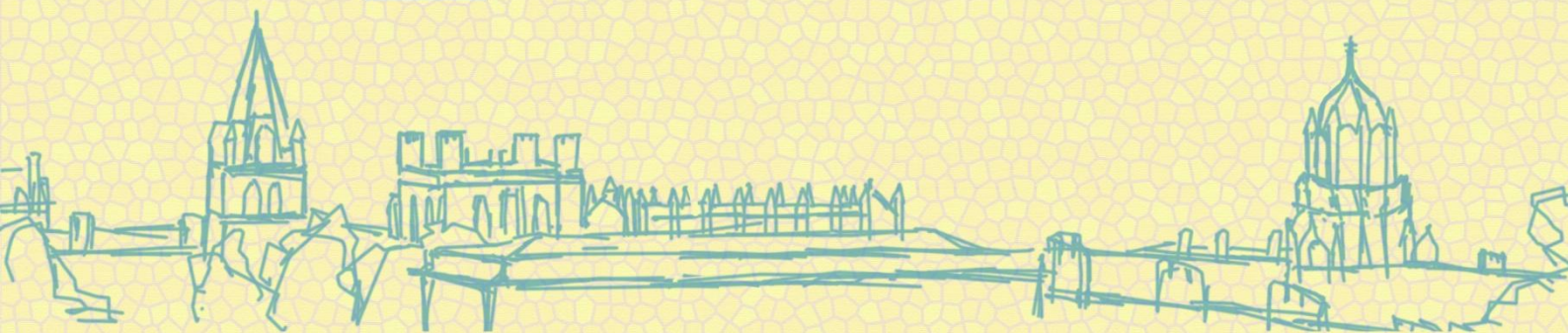
## ICAP2014

July 16-19, 2014

St Anne's College, Oxford UK

**Register at [www.ICAP2014.org.uk](http://www.ICAP2014.org.uk)**

**Registration Deadline: 30<sup>th</sup> April 2014**





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**Gabriel Aughey**, University of Oxford, UK  
*Determining the mechanisms of CTP synthase filament formation in Drosophila.*

**Ljubica Caldovic**, Children's National Medical Center, USA  
*The evolution of NAGS and urea cycle, NAGS deficiency in humans.*

**Elizabeth Carrey**, University College London, UK  
*Tbc*

**Zee-Fen Chang**, National Yang-Ming University, Taiwan, ROC  
*Ribonucleotide reductase promotes genomic instability and tumor heterogeneity via increasing dUTP misincorporation.*

**Daniel Charlier**, Vrije Universiteit Brussel, Belgium  
*Regulation of the E. coli carAB operon by RutR and PepA.*

**Richard Christopherson**, University of Sydney, Australia  
*The mechanisms of action of purine analogs such as fludarabine on B-lymphoproliferative disorders.*

**Lola Gonzalez**, Instituto de Parasitología y Biomedicina, Spain  
*Role of dUTPase in the occurrence of uracil-containing DNA in Trypanosoma brucei.*

**Adrian Harris**, University of Oxford, UK  
*Hypoxia effects on metabolism as targets for synthetic lethality.*

**Lewis E. Kay**, University of Toronto, Canada  
*Tbc*

**Wolfgang Knecht**, Lund University, Sweden  
*Deoxyribonucleoside kinases – biodiversity and practical use.*

**Lakshmi Kotra**, University of Toronto, Canada  
*Peptidyl arginine hypermodification and potential for the development of disease modifying agents.*

**Paloma Liras Padin**, University of León, Spain  
*ArgR, a versátil regulator affecting primary and secondary metabolism on Streptomyces coelicolor.*

**Monika Loeffler**, Philipps-University Marburg, Germany  
*Orotic acid: not merely an intermediate of pyrimidine synthesis.*

**Carol Lovatt**, University of California (Riverside), USA  
*Coordinated regulation of pyrimidine and arginine biosynthesis in plants.*

For more information, please see our website:

[www.ICAP2014.org.uk](http://www.ICAP2014.org.uk)



**Registration Deadline: 30<sup>th</sup> April, 2014**  
Chair: Ji-long liu ; E-mail: [icap.oxford2014@gmail.com](mailto:icap.oxford2014@gmail.com)



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**Hiroki Morizono**, Children's National Medical Center, USA  
*Tbc*

**Torsten Möhlmann**, University Kaiserslautern, Germany  
*Tbc*

**Leif D. Nelin**, The Research Institute at Nationwide Children's Hospital, USA  
*Arginase and the arginine metabolome in pulmonary hypertension.*

**Li-Mei Pai**, Chang Gung University, Taiwan, ROC  
*Cbl regulates endoreplication by controlling cytoophidium.*

**Santiago Ramón-Maiques**, Spanish National Cancer Research Center (CNIO), Spain  
*Towards deciphering the architecture of CAD: structure of human ATCase and DHOase.*

**Vicente Rubio**, Instituto de Biomedicina de Valencia, Spain  
*Human carbamoyl phosphate synthetase: structure, function and pathology.*

**Andriy Sibirny**, Institute of Cell Biology, NAS of Ukraine  
*Construction of the recombinant producers of bacterial arginine deiminase and human arginase and their use for arginine deprivation.*

**Li-Ying Sung**, National Taiwan University, Taiwan, ROC  
*Both CTP synthase 1 and 2 form the cytoophidia in mammalian cells.*

**Staffan Svärd**, Uppsala University, Sweden  
*The role of arginine during infections by the intestinal parasite Giardia intestinalis.*

**Peter Szlosarek**, Barts Cancer Institute, Queen Mary University of London, UK  
*Targeting arginine in human cancers: from the lab to the clinic.*

**Ömür Y. Tastan**, University of Oxford, UK  
*Potential role for CTP synthase in Drosophila optic lobe development.*

**Jim Wilhelm**, University of California, USA  
*Tbc*

**Jun Yan**, Chinese Academy Of Sciences, China  
*Purine metabolism, cell cycle and circadian clock.*

**Barbara Zimmermann**, Universidad de los Andes, Colombia  
*Pyrimidine biosynthesis in Toxoplasma gondii.*

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