

## ICAP2014 MEETING AT A GLANCE

### DAY1, Wednesday 16<sup>th</sup> July 2014

(Venue for seminars: Tsuzuki Lecture Theatre, Ruth Deech Bldg, St Anne's College, Oxford, OX2 6HS)

10:30 - 12:30	On-site registration, tea, coffee and biscuits	Foyer A, Ruth Deech Bldg
12:30 - 14:00	Lunch	Foyer B, Ruth Deech Bldg
14:00 - 14:15	Welcoming remarks	Ji-Long Liu
14:15 - 17:15	Session 1: Pyrimidines (I) <b>Talk No</b>	Chair: Barbara Zimmermann
14:15 - 14:40 <b>1A</b>	Early steps in pyrimidine biosynthesis: looking back, going forward <b>T01</b>	Elizabeth Carrey
14:40 - 15:05 <b>1B</b>	Pyrimidine biosynthesis in <i>Toxoplasma gondii</i> <b>T02</b>	Barbara Zimmermann
15:05 - 15:30 <b>1C</b>	Novel peptide inhibitors of a multifunctional dihydroorotase-aspartate transcarbamoylase complex <b>T03</b>	David Evans
15:30 - 16:00	Tea, coffee and biscuits	
16:00 - 16:25 <b>1D</b>	Pyrimidines, metabolism and DNA repair in <i>C. elegans</i> <b>T04</b>	Patricia Kuwabara
16:25 - 16:50 <b>1E</b>	Role of dUTPase in the occurrence of uracil-containing DNA in <i>Trypanosoma brucei</i> <b>T05</b>	Lola Gonzalez
16:50 - 17:15 <b>1F</b>	Transport and catabolism of pyrimidine metabolites in plants <b>T06</b>	Torsten Möhlmann
18:00 -	Social activity/ pub night (optional)	

### DAY2, Thursday 17<sup>th</sup> July 2014

(Venue for seminars: Tsuzuki Lecture Theatre, Ruth Deech Bldg, St Anne's College, Oxford, OX2 6HS)

08:00 - 09:00	Breakfast	Dining Hall
09:00 - 12:25	Session 2: Pyrimidines (II) – CTP synthase and the cytoophidium <b>Talk No</b>	Chair: Ömür Y. Tastan
09:00 - 09:25 <b>2A</b>	Potential role for CTP synthase in <i>Drosophila</i> optic lobe development <b>T07</b>	Ömür Y. Tastan
09:25 - 09:50 <b>2B</b>	Cbl regulates endoreplication by controlling cytoophidium <b>T08</b>	Li-Mei Pai
09:50 - 10:15 <b>2C</b>	Determining the mechanisms of cytoophidium formation in <i>Drosophila</i> <b>T09</b>	Gabriel Aughey
10:15 - 10:40 <b>2D</b>	The dynamics of cytoophidium in mammalian cells <b>T10</b>	Chia-Chun Chang
10:40 - 11:10	Tea, coffee and biscuits	Foyer B, Ruth Deech Bldg
11:10 - 11:35 <b>2E</b>	CTPS inhibition induces formation of IMPDH2-based and CTPS1-based independent RR structures <b>T11</b>	Gerson D. Keppeke
11:35 - 12:00 <b>2F</b>	Purine metabolism, cell cycle and circadian clock <b>T12</b>	Jun Yan
12:00 - 12:25 <b>2G</b>	CTP synthase and cytoophidium in <i>S. pombe</i> <b>T13</b>	Lydia Hulme
12:30 - 14:00	Lunch	Foyer B, Ruth Deech Bldg
14:00 - 17:00	Session 3: Arginine and urea cycle (I) <b>Talk No</b>	Chair: Hiroki Morizono
14:00 - 14:25 <b>3A</b>	NAGS and its changing role through evolution <b>T14</b>	Hiroki Morizono
14:25 - 14:50 <b>3B</b>	Nitrogen control beyond arginine biosynthesis: following the NAGK-Pil-PipX-NtcA story in cyanobacteria <b>T15</b>	Vicente Rubio
14:50 - 15:15 <b>3C</b>	ArgR, a versatile regulator affecting primary and secondary metabolism on <i>Streptomyces coelicolor</i> <b>T16</b>	Paloma Liras Padin
15:15 - 15:40 <b>3D</b>	The role of arginine during infections by the intestinal parasite <i>Giardia intestinalis</i> <b>T17</b>	Staffan Svärd
15:40 - 16:10	Tea, coffee and biscuits	Foyer B, Ruth Deech Bldg
16:10 - 16:35 <b>3E</b>	Regulation of the <i>E. coli</i> carAB operon by RutR and PepA <b>T18</b>	Daniel Charlier
16:35 - 17:00 <b>3F</b>	Targeting arginine in human cancers: from the lab to the clinic <b>T19</b>	Peter Szlosarek
17:00 -	Evening Free (No Free Dinner Served at St Anne's College)	

## ICAP2014 MEETING AT A GLANCE (continued)

### DAY3, Friday 18<sup>th</sup> July 2014

(Venue for seminars: Tsuzuki Lecture Theatre, Ruth Deech Bldg, St Anne's College, Oxford, OX2 6HS)

08:00 - 09:00	Breakfast	Dining Hall
09:00 - 09:50	<b>Session 4: Discussion – Does ICAP need a society?</b>	<b>Chair:</b> <b>Ji-Long Liu</b>
09:50 - 12:25	<b>Session 5: Arginine and urea cycle (II) Talk No</b>	<b>Chair:</b> <b>Lakshmi Kotra</b>
09:50 - 10:15 <b>5A</b>	The evolution of NAGS and urea cycle, NAGS deficiency in humans <b>T20</b>	Ljubica Caldovic
10:15 - 10:40 <b>5B</b>	Peptidyl arginine hypermodification and potential for the development of disease modifying agents <b>T21</b>	Lakshmi Kotra
10:40 - 11:10	Tea, coffee and biscuits	Foyer B, Ruth Deech Bldg
11:10 - 11:35 <b>5C</b>	The mechanisms of action of purine analogues such as fludarabine on B-lymphoproliferative disorders <b>T22</b>	Richard Christopherson
11:35 - 12:00 <b>5D</b>	Construction of the recombinant producers of bacterial arginine deiminase and human arginase and their use for arginine deprivation <b>T23</b>	Andriy Sibirny
12:00 - 12:25 <b>5E</b>	CTP synthase 1 as a target for breast cancer therapy <b>T24</b>	Adrian Harris
12:30 - 14:00	Lunch	Foyer B, Ruth Deech Bldg
14:00 - 16:00	Oxford walking tour	
16:00 - 18:00	Tea, coffee and biscuits / discussion session for future of ICAPs	
17:00- 19:00	<b>Session 6: Poster session</b>	Foyer B, Ruth Deech Bldg
19:00 - 22:00	<b>Gala dinner</b>	<b>Dining Hall</b>

### DAY4, Saturday 19<sup>th</sup> July 2014

(Venue for seminars: Tsuzuki Lecture Theatre, Ruth Deech Bldg, St Anne's College, Oxford, OX2 6HS)

08:00 - 09:00	Breakfast	Dining Hall
09:00 - 12:25	<b>Session 7: Pyrimidines (III) Talk No</b>	<b>Chair: Santiago Ramón-Maiques</b>
09:00 - 09:25 <b>7A</b>	Towards deciphering the architecture of CAD: structure of human ATCase and DHOase <b>T25</b>	Santiago Ramón-Maiques
09:25 - 09:50 <b>7B</b>	Deoxyribonucleoside kinases – biodiversity and practical use <b>T26</b>	Wolfgang Knecht
09:50 - 10:15 <b>7C</b>	Human carbamoyl phosphate synthetase: structure, function and pathology <b>T27</b>	Sergio de Cima
10:15 - 10:40 <b>7D</b>	Orotic acid: not merely an intermediate of pyrimidine synthesis <b>T28</b>	Monika Loeffler
10:40 - 11:10	Tea, coffee and biscuits	Foyer B, Ruth Deech Bldg
11:10 - 11:35 <b>7E</b>	In vitro carbamoyl phosphate synthetase 1 (CPS1) expression deciphers CPS1 domain function and clarifies disease-causation in CPS1 deficiency <b>T29</b>	Carmen Díez-Fernández
11:35 - 12:00 <b>7F</b>	Ribonucleotide reductase promotes genomic instability and tumor heterogeneity via increasing dUTP misincorporation <b>T30</b>	Zee-Fen Chang
12:00 - 12:25 <b>7G</b>	Using flatworms as a model system for stem cell biology and regeneration <b>T31</b>	Aziz Aboobaker
12:25 - 12:30	<b>Closing remarks</b>	<b>Ji-Long Liu</b>
12:30 - 14:00	Lunch	Foyer B, Ruth Deech Bldg