

## Wood Whelan Awardees 2008

The fellowships are listed in the following format:

### Title and Duration of a Research Project

Recipient (Award in US\$)

Host supervisor

**Molecular mechanisms of intra-acrosomal calcium mobilization during the acrosome reaction**  
2 months

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|---|---|
| Maria Teresa Branham (2500)             | Dr. Alberto Darszon                     |
| Instituto der Histologia y Embryologia  | Instituto de Biotecnologia              |
| Facultad de Ciencias Medicas            | Universidad Nacional Autonoma de Mexico |
| Universidad Nacional de Cuyo            | Av. Universidad 2001                    |
| Casilla de Correo 56                    | Cuernavaca                              |
| 5500 Mendoza                            | Morelos 62210                           |
| Argentina                               | Mexico                                  |
| E-mail: mbranham[at]fcm.uncu.edu[dot]ar | E-mail : darszon[at]ibt.unam[dot]mx     |

**Studies on the ability of PfHsp40 ad Pfj1 to regulate the chaperone activity of PfHsp70 of the parasite Plasmodium falciparum and on their potential to serve as anti-malarial targets**  
2 1/2 months

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| Melissa Botha (2617)                                 | Prof. Jeffrey Brodsky                 |
| Dept of Biochemistry, Microbiology and Biotechnology | Dept. of Biological Sciences          |
| P.O.Box 94   | University of Pittsburgh              |
| Rhodes University                                    | 274 A Crawford Hall                   |
| Grahamstown  | Pittsburgh, PA, 15260                 |
| South Africa 6140                                    | USA                                   |
| E-mail: g01b0995[at]campus.ru.ac[dot]za              | E-mail: jbrodsky[at]imap.pitt[dot]edu |

**Studies on the molecular mechanisms involved in the regulation of the thyroid hormone receptor expression by insulin-like growth factor type I (IGF-I) in liver and pituitary cells**  
4 months

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| Sebastian Susperreguy (3000)                     | Dr. Ana Aranda                     |
| Centro de Investig. en Bioquim. Clin. e Immunol. | Instituto de Investig.Biomedicas   |
| Facultad de Ciencias Quimicas                    | Á« Albert Sols Á»                  |
| Universidad Nacional de Cordoba                  | CSIC                               |
| 5000 Cordoba                                     | C/ Arturo Duperier 4               |
| Argentina  | 28029 Madrid                       |
| E-mail : susperreguy[at]mail.fcq.unc.edu[dot]ar  | E-mail : aaranda[at]iib.uam[dot]es |

**Studies of potato genes regulated by infection with the late blight pathogen**  
4 months

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| Briardo Llorente (900)  | Prof.Erik Ostergard Jensen   |
| Institute for Research in Genetic Engineering and Biotechnology | Dept of Molecular Biology    |
| Vuelta de Obligado 2490   | Aarhus University            |
| C1428 ADN Buenos Aires  | Gustav Wieds vej 10          |
| Argentina   | DK 8000 Aarhus C             |
| E-mail: llorente[at]dna.uba[dot]ar                              | Denmark                      |
|   | E-mail : eoj[at]mb.au[dot]dk |

**Evolutionary insight into glycosyltransferases related to sucrose metabolism focused by direct evolution of Anabena sp.PCC7120 and Agrobacterium tumefaciens C58 proteins**  
3 months

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| Letitia Torres (2991)      | Dr. Aurelio Hidalgo            |
| Biological Research Centre | Centro de Biología MolecularÁ« |

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|---|--|
| Foundation for Applied Biological Research<br>CC 1348<br>7600 Mar del Plata<br>Argentina<br>E-mail : ltorres[at]fiba.org[dot]ar | Severo Ochoa Â»<br>Facultad de Ciencias, Universidad Autonoma<br>28049 Cantoblanco<br>Madrid<br>Spain<br>E-mail : ahidalgo[at]cbm.uam[dot]es |
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**Intrinsically photosensitive chicken retina ganglion cells: Is a novel visual cycle involved in retinal recycling?  
2 ½ months**

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| Daniella Verra (3000)<br>CIQUIBIC. Depto de Quimica Biologica<br>Fac. de Ciencias Quimicas<br>Universidad Nacional de Cordoba<br>Ciudad Universitaria<br>5000 Cordoba<br>Argentina<br>E-mail: dverra[at]mail.fcq.unc.edu[dot]ar | Prof. Andrew Tsin<br>Dept of Biology<br>University of Texas at San Antonio<br>One UTSA Circle<br>San Antonio, Texas, 78249-0662<br>USA<br>E-mail: Andrew.Tsin[at]utsa[dot]edu |
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**Studies of finger millet stress-responsive transcription factors by microarray analysis and virus-induced gene silencing  
4 months**

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| Rame Gowda (2000)<br>Dept of Crop Physiology<br>University of Agricultural Sciences, GKVK Campus<br>Bangalore 560065<br>India<br>E-mail: ramhv[at]rediffmail[dot]com | Prof. Kiran Mysore<br>Plant Biology Division<br>The Samuel Roberts Noble Foundation<br>2510 Sam Noble Parkway<br>Ardmore, Oklahoma, 73401<br>USA<br>E-mail: ksmysore[at]noble[dot]org |
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**Use of the COVG version of the voltage clamp technique to measure ionic and gating current in single frog oocytes expressing cloned ion channels  
2 months**

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| Sanjeev Kumar Upadhyay (3000)<br>National Center for Biological Sciences<br>Tata Institute of Fundamental Research<br>UAS-GKVK Campus<br>GKVK P.O.<br>Bangalore 560065<br>India<br>E-mail: sanjeevup[at]ncbs.res[dot]in | Professor Michael Sanguinetti<br>Dept of Physiology<br>University of Utah<br>Nora Eccles Harrison CVRTI<br>95 South 2000 East<br>Salt Lake City, Utah, 84108<br>USA<br>E-mail: sanguinetti[at]xserve.cvrti.utah[dot]edu |
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**Evaluation of activity of Hecpudin-GFP produced by transfected Huh7 cells  
2 ½ months**

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| Alkmini Kalousi (3000)<br>School of Health Sciences<br>Faculty of Medicine<br>University of Thessaly<br>P.O. Box 1400<br>Mezourlo Larissa, 41110<br>Greece<br>E-mail: alkalous[at]med.uth[dot]gr | Prof. Kostas Pantopoulos<br>McGill University<br>Lady Davis Institute for Medical Research<br>Sir Mortimer B. Davis Jewish General Hospital<br>3755 Cote-Ste Catherine Road<br>Montreal, Quebec H3T 1E2<br>Canada<br>E-mail: kostas.pantopoulos[at]mcgill[dot]ca |
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**Elucidating the roles of Reactive Oxygen Species (ROS) in genomic instability of embryonic stem cells  
2 months**

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| Philip Litto Thomas (3000) | Prof. Raj R. Rao |
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| Division of Molecular Reproduction<br>Rajiv Gandhi Centre for<br>Biotechnology<br>Thycaud P.O.<br>Thiruvananthapuram 695014<br>India<br>E-mail: philiplitto[at]gmail[dot]com | Chemical and Life Science<br>Engineering<br>Virginia Commonwealth University<br>601 West Main Street<br>P.O.Box 843028<br>Richmond, Virginia, 23284-3028<br>USA<br>E-mail: rrrao[at]vcu[dot]jedu |
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**Construction of a cDNA library from basophils and screening for basogranulin expression**  
**1 month**

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| Ahmed Fawzi Abou Karima (1680)<br>Immunopharmacology Group<br>Southampton General Hospital<br>MP 837 Level F South Block<br>Tremona Road<br>Southampton SO16 6YD<br>UK<br>E-mail: aaer1u06[at]soton.ac[dot]uk | Prof. Peter Zabel<br>Dept of Clinical Medicine<br>Divis. of Cellular Allergology<br>Research Center Borstel<br>Parkallee 35<br>22845 Borstel<br>Germany<br>E-mail: pzabel[at]fz-borstel[dot]de |
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**Isolation and characterization of strawberry genes induced by UV-C treatment**  
**3 months**

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| Hernan Rosli (2940)<br>Instituto de Investigaciones<br>Biotecnologicas<br>Instituto Tecnologico Chascomus<br>(B7130IWA)<br>Camino de Circunvalacion Laguna<br>Km 6<br>CC 164 (7130) Chascomus<br>Pcia. Buenos Aires<br>Argentina<br>E-mail: hrosli[at]intech.gov[dot]ar | Prof. Kevin Folta<br>Horticultural Sciences Dept<br>University of Florida<br>1301 Fifield Hall<br>Box 110690<br>Gainesville, FL 32611<br>USA |
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**Identification of novel mTOR binding partners**  
**3 months**

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| Dr. Ivan Nemazanyy (3000)<br>Institute of Molecular Biology and<br>Genetics<br>150 Zabolotnogo str.<br>03680 Kiev<br>Ukraine<br>E-mail: nemazanyy[at]imbg.org[dot]ua | Prof. Ivan Gout<br>Res. Dept of Structural & Molecular<br>Biology<br>University College London<br>Gower street<br>London WC1 6BT<br>UK<br>E-mail: i.gout[at]biochem.ucl.ac[dot]uk |
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**Characterization of aminopeptidase N (an enzyme belonging to the M1 family of metallopeptidases) inhibitors from marine invertebrates**  
**1 month**

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| Dr. Isel Pascual Alonso (1365)<br>Center for Protein Studies<br>Faculty of Biology<br>University of Havana<br>Havana 10400<br>Cuba<br>E-mail: clark[at]ceniai.inf[dot]cu | Dr. Jean-Louis Charli<br>Instituto de Biotecnologia<br>Universidad Nacional Autonoma de<br>Mexico<br>Av. Universidad 2001<br>Col.Chamilpa CP 62210<br>Cuernavaca, Morelos<br>Mexico<br>E-mail: charli[at]ibt.unam[dot]mx |
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**Studies of the biochemical properties of the cathepsins secreted by the invasive juvenile stages of the liver fluke Fasciola hepatica**  
**3 months**

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| Ms Ileana Corvo Mautone (3000)<br>Genetics Dept<br>School of Medicine<br>Universidad de la Republica<br>Gral Flores 2125 CP 11800 | Prof. John P. Dalton<br>Inst. for the Biotechnol. of Infectious<br>Diseases<br>University of Technology<br>Corner :Thomas and Harris street |
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