

## Wood Whelan Awardees 2007

The fellowships are listed in the following format:

### Title and Duration of a Research Project

Recipient (Award in US\$)

Host supervisor

**Determination by NMR of the role of sugar moieties of substrate in their interaction with the lectin-chaperone Calreticulin**  
**2 months**

Garima Gupta (2900)	Prof. Jesus Jimenez Barbero
Molecular Biophysics Unit	Structural Biology of Proteins
Indian Institute of Science	Centro de Investigaciones
Bangalore 560012	Biologicas, CSIC
India	Madrid
E-	Spain
mail: <a href="mailto:ggupta[at]mbu.iisc.ernet[dot]in">ggupta[at]mbu.iisc.ernet[dot]in</a>	E-mail : <a href="mailto:jjbarbero[at]cib.csic[dot]es">jjbarbero[at]cib.csic[dot]es</a>

**Interaction of peptides with biological relevance with models of biomembranes by Atomic Force Microscopy**  
**3 months**

Sonia Troeira Henriques (1857)	Prof. Marie-Isabel Aguilar
Depart.de Quimica e	Dept of Biochemistry & Molecular
Bioquimica	Biology
Faculdade de Ciencias da	Monash University
Univ.Lisboa	Clayton, Vic. 3800
Edificio C8, Campo Grande	Australia
1749-016 Lisboa	E-mail
Portugal	: <a href="mailto:mibel.aguilar[at]med.monash.edu[dot]au">mibel.aguilar[at]med.monash.edu[dot]au</a>
E-	
mail: <a href="mailto:sthenriques[at]fc.ul[dot]pt">sthenriques[at]fc.ul[dot]pt</a>	

**Role of nitric oxide in the differentiation of trophoblast**  
**2 months**

Gopi Krishna Kolluru (2250)	Prof. Arun Dharmarajan
AU-KBC Research Centre	School of Anatomy and Human Biology
Anna University	University of Western Australia
MIT Campus, Chrompet	35 Stirling Highway, Crawley
Chennai 600044	Perth, Western Australia, 6009
India	Australia
E-	E-
mail: <a href="mailto:gk_kolluru[at]rediffmail[dot]com">gk_kolluru[at]rediffmail[dot]com</a>	mail: <a href="mailto:Arunasalam.Dharmarajan[at]uwa.edu[dot]au">Arunasalam.Dharmarajan[at]uwa.edu[dot]au</a>

**Studies on the function of *Trypanosoma brucei* Hsp40 protein by RNA interference**  
**1-1.5 month**

Michael Hans Ludewig (1400)	Dr David Horn
Dept of Biochemistry, Microbiology	London School of Hygiene and
and Biotechnology	Tropical Medicine
Rhodes University	Keppel street
Grahamstown 6139	London WC1E 7HT
South Africa	UK
E-	E-
mail: <a href="mailto:g9731593[at]campus.ru.ac[dot]za">g9731593[at]campus.ru.ac[dot]za</a>	mail: <a href="mailto:David.Horn[at]lshtm.ac[dot]uk">David.Horn[at]lshtm.ac[dot]uk</a>

**The use of site-directed mutagenesis to study the mechanism of action of Cyt toxins from *Bacillus thuringiensis* (Bt)**  
**3 months**

Kerrick Nevels (2000)	Dr Boonhiang Promdonkoy
Dept of Chemistry and Biochemistry	National Center for Genetic
University of Southern Mississippi	Engineering and Biotechnology
Box 5043	113 Thailand Science Park
Hattiesburg MS 39406	Pathumthani 12120
USA	Thailand
E-mail: <a href="mailto:kjnevels[at]hotmail[dot]com">kjnevels[at]hotmail[dot]com</a>	E-mail: <a href="mailto:boonhiang[at]biotec.or[dot]th">boonhiang[at]biotec.or[dot]th</a>

**Association of nutritional and genetic determinants in homocysteine metabolism with the risk of cleft palate in Benin**  
**2 months**

Patrice Avogbe (2825)	Prof. Jean-Louis Gueant
Dept de Biochimie et de Biologie Cellulaire	Labor. de Pathologie Cellulaire et Moleculaire
Faculte des Sciences et Techniques	Faculte de Medecine
Universite d'Abomey-Calavi	BP 184
04 BP 0320 Cotonou	54511 Vandoeuvre les Nancy
Benin	France
E-mail: avogbe[at]yahoo[dot]fr	E-mail: Jean-Louis.Gueant[at]medecine.uhp-nancy[dot]fr

**Studies on the effect of several chemical compounds on the amastigote form of Trypanosoma cruzi**  
**1 month**

Lucia Boiani (1000)	Prof. Juan Jose Cazzulo
Instituto de Quimica Biologica	Instituto de Investigaciones Biotecnologicas
Facultad de Ciencias	Universidad Nacional de General San Martin
Universita de la Republica	Av. General Paz y Albarellos
Montevideo 11400	INTI, Edificio 24
Uruguay	Casilla de Correo 30
E-mail: lboiani[at]fcien.edu[dot]uy	1650 San Martin
	Argentina
	E-
	mail:jcazzulo[at]iib.unsam.edu[dot]ar

**Role of reactive oxygen species, produced in the plastoquinone pool and the electron transport chain, in the regulation of photosystem II antenna size and carotenoid biosynthesis**  
**3 months**

Maria Mansurovna Mubarakshina (2825)	Prof. Roberto Bassi
Institute of Basic Biological Problems	Dipartimento Scientifico e Tecnologico
Russian Academy of Sciences	Laboratory of Photosynthesis
Pushchino, Moscow Region,	Strada Le Grazie
142290	37134 Verona
Russia	Italy
E-mail:mashmabur[at]rambler[dot]ru	E-mail: bassi[at]sci.univr[dot]it

**Use of electron microscopy to study the mechanisms of the "stoned" protein role in endocytosis during early development of the Drosophila eye**  
**3 months**

Riddhi Majumder (1510)	Prof. Helmuth Krammer
NCBS-TIFR	Department of Neuroscience
UAS-GKVK Campus	UT Southwestern Medical Center
Bangalore 560065	5323 Harry Hines Blvd
India	Dallas, TX, 75390-9111
E-mail : riddhi[at]ncbs.res[dot]in	USA
	E-
	mail:hkrame[at]mednet.swmed[dot]edu

**Study, by sequence analyses, of the evolution of coxsackievirus A24 variant strains causing large outbreaks of acute hemorrhagic conjunctivitis**  
**4 months**

Magile Fonseca (3000)	Prof. Helene Norder
Tropical Medicine Institute "Pedro Kouri"	Dept of Virology
Autopista Novia del Medioda Km 6	Section for Hepatitis and Enteroviruses
PO Box 601	Swedish Institute for Infectious Disease Control
Ciudad Habana	SE-171 82 Solna
Cuba	Sweden
E-mail: magile[at]ipk.sld[dot]cu	E-
	mail:helene.norder[at]smi.ki[dot]se

**Is the selective constraint of a protein correlated to the mutation rate ?**  
**4 months**

Nina Stoletzki (1000)	Prof. Adam Eyre-Walker/ Dr
Evolutionary Biology	E.A.John
Department Biologie II	Dept of Biology & Environmental
Ludwig Maximilians Universitat	Science
Munchen	School of Life Sciences
Grosshaderner strasse 2	University of Sussex
D-82152 Planegg-Martinsried	Brighton BN1 9QG
Germany	UK
E-	E-mail: e.a.john[at]sussex.ac[dot]uk
mail:nstoletzki[at]googlemail[dot]com	

**Micro-array analysis of citrus gene expression during host and non-host plant-bacteria interactions**  
**3 months**

Lucas Daurelio (3000)	Dr Manuel Talon
Instituto de Biologia Molecular y	Director of Centro de Genomica
Celular	Instit. Valenciano de
Fac. de Ciencias Bioquimicas y	Investigaciones Agrarias
Farmacéuticas	Moncada
Universidad Nacional de Rosario	46113 Valencia
Suipacha 531	Spain
Rosario, Santa Fe	E-mail: mtalon[at]jvia[dot]es
Argentina	
E-mail: daurelio[at]ibr.gov[dot]ar	

**Cloning and characterization of plant genes involved in non-host pathogen-plant interactions**  
**4 months**

Ramanna Hemma (2000)	Dr Kirankumar Mysore
Department of Crop Physiology	Plant Biology Division
University of Agricultural Sciences	The Samuel Roberts Noble
GKVK Campus	Foundation
Bangalore 560 065	2510 Samuel Noble Parkway
India	Ardmore, Oklahoma, 73401
E-mail: hemadna[at]yahoo[dot]com	USA
	E-mail: ksmysore[at]noble[dot]org

**Cloning and characterization of epicuticular wax synthesizing genes from mulberry : A potential option to reduce transpiration and post-harvest water loss**  
**1 month**

H.M. Mamrutha (1800)	Prof. Matthew Jenks
Dept of Crop Physiology	Dept of Horticulture
University of Agricultural Sciences	Purdue University
GKVK Campus	625 Agriculture Mail Drive
Bangalore 560 065	West Lafayette, IN,
India	47907-2010
E-	USA
mail:mamruthamadhu[at]gmail[dot]com	E-mail: jenksm[at]purdue[dot]edu

**Protein-protein interactions and molecular recognition in membranes**  
**1 month**

Hang Hubert Yin (3000)	Prof. Yechiel Shai
Department of Chemistry and	Biological Chemistry and Cancer
Biochemistry	Research
University of Colorado	Weizmann Institute of Science
Boulder, Colorado,	Rehovot 76100
80309-0215	Israel
USA	E-
E-	mail:Yechiel.Shai[at]weizmann.ac[dot]il
mail:hubert.yin[at]colorado[dot]edu	

**Association of  $\beta_2$ M/LRP-1 system with retinal neovascularization in animal and human eye tissues**  
**3 months**

Pablo Frederico Barcelona (3000)	Professor Gerard A. Luty
Departamento de Bioquímica Clínica	Wilmer Ophthalmological
Facultad de Ciencias Químicas	Institute

Universidad Nacional de Cordoba  
Haya de la Torre y Medina Allende  
Ciudad Universitaria  
5000 Cordoba  
Argentina

E-mail: [pbarcelona@mail.fcq.unc.edu.ar](mailto:pbarcelona@mail.fcq.unc.edu.ar)

170 Woods Research  
Building  
John Hopkins Hospital  
600 North Wolfe Street  
Baltimore, MD, 21287-9115  
USA

E-mail: [galutty@jhmi.edu](mailto:galutty@jhmi.edu)

**Investigation of statistical properties of methods of meta-analysis  
applied to the combination of data in Biochemistry and Molecular  
Biology  
1 month**

Tiago Veiga Pereira (3000)  
Dept of Biochemistry and Molecular  
Biology  
Federal University of Sao Polo  
Av. Dr Eneas de Carvalho Agular,  
44  
10 andar Cerqueira Cesar-CEP  
05403-000 Sao Polo, SP  
Brazil  
E-mail: [tiago.pereira@incor.usp.br](mailto:tiago.pereira@incor.usp.br)

Dr John P.A. Ioannidis  
Dept of Hygiene and Epidemiology  
University of Ioannina  
Medical School  
Ioannina  
Greece  
E-mail: [jioannid@cc.uoi.gr](mailto:jioannid@cc.uoi.gr)