



Wood-Whelan Fellowships awarded 2013

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| <i>EKC/KEOPS complex subunits in <i>Drosophila melanogaster</i></i> 4 months | |
| Diego Alejandro Rojas Benitez (US \$1000) Developmental Biology Laboratory Faculty of Sciences Univeristy of Chile Chile E-mail: diegorojasb@gmail.com | Prof EW Triplett University of Florida Institute of Food and Agricultural Sciences 1355 Museum Road Gainesville, Florida USA E-mail : ewt@ufl.edu |
| <i>Induction of immunogenic autophagy by EPGR-SGLT1 blockade with the anti-EGFR specific monoclonal antibody nimotuzumab</i> 4 months | |
| Ailem Rabasa Capote (US \$3000) Tumor Immunology Direction Centre of Molecular Immunology 216 St and 15th Ave, Siboney, Playa Havana Cuba E-mail: ailem@cim.sld.cu | Dr D Green Head of Immunology Department St Jude Children's Research Hospital Memphis USA E-mail : douglas.green@stjude.org |
| <i>Characterize Mitochondrial Function in different tissues of glycogen branching enzyme knock-out heterozygote mice</i> 1.5 months | |
| Dominika Malinska (US \$2800) Laboratory of Bioenergetics and Biomembranes Nencki Institute of Experimental Biology Ul. Pasteura 3, 02-093, Warsaw Poland E-mail: mzli@sibs.ac.cn | Prof J Guinovart Institute for Research in Biomedicine Parc Cientific de Barcelona Baldiri Reixac, 10 E-08028 – Barcelona Spain Email: guinovart@irbbarcelona.org |
| <i>Analysis of associated alternations of exosomal MIR transcriptome and proteome in colorectal cancer cells following cetuximab treatment</i> 4 months | |
| Marco Maugeri (US \$3000) Department 'G.F. Ingrassia' Biology, Genetics and Bioinformatics Unit Via Santa Sofia 87 95123, Catania Italy E-mail: marco.maugeri@unict.it | Prof Jörg Hoheisel DKFZ Funktionelle Genomanalyse D-69120, Heidelberg Germany E-mail : j.hoheisel@dfz.de |

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| <i>Decipher the LDL receptor-related protein 1 dependent uptake and the subsequent intracellular processing of LRP1 ligands</i> 4 months | |
| Javier-Roberto Jaldin-Fincati (US \$3500) Centre for Research in Clinical Biochemistry and Immunology CIBICI-CONICET School of Chemical Sciences, Cordoba National University Cordoba Argentina E-mail: jfincati@mail.fcq.unc.edu.ar | Prof Dr. Jörg Heeren Department of Biochemistry and Molecular Cell Biology University Medical Clinic Hamburg-Eppendorf Martinistrasse 52, 20246 Hamburg Germany E-mail : heeren@uke.de |

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| <i>The effects that endocrine disrupters could produce in the generation of glial cells from precursor cells & response of cells in the Fgfr3-iCreER (T2) transgenic mouse line</i> 3 months | |
| Beatriz Castro Bohórquez (US \$4000) Department of Biochemistry and Molecular Biology Faculty of Medicine University of Grenada Spain E-mail: beacb@ugr.es | Dr W Richardson University College London Wolfson Institute for Biomedical Research Gower Street London WC1E 6BT Email: w.richardson@ucl.ac.uk |

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| <i>Molecular Modelling of mutant G6PD proteins</i> 3 months | |
| Ricardo Graña-Montes (US \$3100) Department of Biochemistry and Molecular Biology Lab Campus de la Universitat Autònoma de Barcelona Bellaterra E-08193 Spain E-mail: ricardo.grana@uab.cat | Dr K Lindorff-Larsen Department of Biology University of Copenhagen 2200 Copenhagen Copenhagen Denmark E-mail : lindorff@bio.ku.dk |

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| <i>Crosstalk between progesterone and glucocorticoid receptors in breast cancer cells</i> 3 months | |
| Maria Florencia Ogara (US \$4000) LEGMA-IFIBYNE-Conicet Faculty of Exact and Natural Sciences University of Buenos Aires Argentina E-mail : flopyogara@qb.fcen.uba.ar | Dr Guillermo P Vincent CRG- Centre de Regulació Genòmica Edif. PRBB, Dr. Aiguader, 88 08003 Barcelona Spain E-mail : guillermo.vicent@crg.es |

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| <i>Peroxynitrite formation in vascular endothelium : interaction with eNOS and role in endothelial dysfunction mediated by ADMA</i> | |
| 3 months | |
| Natalia Subelzú (US \$3000) Faculty of Medicine University of the Republica Montevideo Uruguay E-mail: nsubelzu@fmed.edu.uy | Dr Thomas Michel Harvard Medical School 25 Shattuck Street Boston, MA 02115 USA E-mail : Thomas_Michel@hms.harvard.edu |

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| <i>Study of the role of lipid signalling and lipid oxidation products in Alzheimer's disease : identification and modulation of survival molecular pathways to counteract neurodegeneration</i> | |
| 4 months | |
| Elisa Canepa (US \$4000) University of Genoa Via L.B Alberti 2 16132, Genoa Italy E-mail : elisa.canepa@unige.it | Dr Mohsen Meydani TUFTS University Human Nutrition Research - Center of Aging at Tufts University 711 Washington Street Boston, MA 02111 USA E-mail : mohsen.meydani@tufts.edu |

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| <i>Human tumour glycolipid characterisation by HPTLC-blot and MALDI-TOF Mass Spectrometry methods</i> | |
| 3 months | |
| Darel Martinez Bedoya (US \$3300) Tumour Biology Direction Center of Molecular Immunology 216 St & 15th Avenue, Siboney, Playa Havana Cuba Email : darel@cim.sld.cu | Prof Mitsutoshi Setou Hamamatsu University of Medicine Department of Cell Biology and Anatomy 1-20-1 Handayama, Hamamatsu, Shizuoka 431-3192 Japan Email : mitsutoshi.setou@gmail.com |

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| <i>Dual role of RhoA during initial neuronal polarization and axonal elongation may depend on effector protein segregation</i> | |
| 3 months | |
| José I Wojnacki (US \$ 3500) Institute of Medical Research (IMMF) National Council of Science and Technology CONICER Friuli 2434 Cordoba Argentina Email : jose.wo@gmail.com | Prof G. Gundersen Department of Pathology & Cell Biology Columbia University P&S 15-420 630 West 168th Street New York NY – 10032 USA Email : ggg1@columbia.edu |

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| Membrane and protein dynamic processes leading to pore formation by actinoporins : toxins from sea anenomes | |
| 2 months | |
| Uris Lianne Ros Quinoce (US \$3000) Center for Protein Studies (CEP) Biology Faculty University of Havana Calle 25, Numero 455 entre I y J, Vedado, Plaza de la Revolucion, La Habana Cuba Email : uris@fbio.uh.cu | Dr Prof Ana. J. García Sáez Full Professor of Biochemistry University of Tübingen Max Planck Institute Germany Email : ajegarsa@mf.mpg.de |

Wood-Whelan Fellowships awarded 2014

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| The role played by the protein phosphatase PTC1 in morphogenesis and cell cycle in Saccharomyces cerevisiae | |
| 3 months | |
| Almudena Sacristan Riviriego (US \$3500) Department of Mibrobiolgy II Faculty of Pharmacy Complutense University Madrid Spain E-mail: jarmuilla3@hotmail.com | Prof Daniel J. Lew Professor of Pharmacology and Cancer Biology Director, Program in Cell and Molecular Biology Duke University Medical Center Durham, North Carolina USA E-mail : daniel.lew@duke.edu |

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| Post traumatic recovery in adult nervous system : a proteomics approach to study starfish CNS regeneration events | |
| 12 months | |
| Catarina de Matos Ferraz Franco (US\$3500) ITQB – UNL Av. Da Republica, EAN 2780-157 Qeiras Portugal E-mail: cfranco@itqb.unl.pt | Dr Sonja Hess Beckman Institute California Institute of Technology 1200 East California Boulevard MC 139-74 Pasadena, California USA E-mail : shess@caltech.edu |

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| Study of the immunomodulatory and biocidal activities of tethered antimicrobial peptides derived from 'thrombin' and 'heparin' cofactor II | |
| 4 months | |
| Dr Mojtaba Bagheri (US \$4000) Asst Professor Department of Biochemistry Institute of Biochemistry and Biophysics University of Tehran 16 Azar Street Theran, Iran E-mail: motjabagheri@ut.ac.ir | Prof Martin Malmsten Professor, Physical Chemistry Chairman, Department of Pharmacy Uppsala University PO Box 580 SE-751 23 Uppsala Sweden E-mail : martin.malmsten@farmaci.uu.se |

Hyperglycemia induced renal expression of EpCAM and Zeb1 : Implications in loss of epithelial nature of podocytes and declined renal function

3 months

Anil Kumar Pasupulati PhD (US \$ 4000)
DST-INSPIRE Faculty
National Institute of Nutrition
Hyderabad
India

E-mail: pasupulati.anilkumar@gmail.com

Prof Moin A Saleem
Academic Renal Unit
University of Bristol
Bristol
BS1 3NY
United Kingdom

E-mail : m.saleem@bristol.ac.uk

Investigation of ion translocating by complex I from Escherichia coli, Rhodothermus marinus and Paracoccus denitrificans

1 month

Bruno Costa Marreiros (US \$1600)
Biological Energy Transduction Group
Metalloproteins and Bioenergetics Unit
Av. Fa Republicam 2780-157
Qeiras
Portugal

E-mail: bmarreiros@iqtb.uni.pt

Dr Klaus Fendler
Max Planck Institute for Biophysics
Max von Laue Str. 3
D-60438, Frankfurt
Germany

Email: Klaus.fendler@biophys.mpg.de

Probiotic consumption might improve gut microbiota in patients with heart disease; Determination of HSP 27 gene expression

2 months

Parisa Abbasi Parizad (US \$3200)
Department of Biochemistry & Nutrition
Faculty of Medicine
Mashhad University, Mashhad
Iran

E-mail: parisa_abbasi83@yahoo.com

Prof Francesco Bonomi
Professor and Department Head
Department of Food, Environmental and
Nutritional Sciences (DeFENS)
University of Milan
2 Celoria – 20133
Milan, Italy

E-mail : Francesco.bonomi@unimi.it

Volatile compounds profile in cocoa during fermentation-like incubation using lactic and acetic acids series as incubation media

3 months

Eyamo Evina Victor Jos (US \$ 4000)
Plant Biotechnology Laboratory of Plant
Physiology, Higher Teachers' Training
College
University of Yaounde I
PO Box 47, Yaounde
Cameroon

E-mail: josariel23@yahoo.fr

Prof Sonia Collin
Earth and Life Institute - Microbiology
Brewery and Food Industry
Université catholique de Louvain
Croix du Sud 2 bte L7.05.07
1348 Louvain-la-Neuve
Belgium

E-mail: sonia.collin@uclouvain.be

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| <i>The capability of phosphorylcholine to attenuate the development of collagen induced arthritis in animal model</i> 4 months | |
| Jasna Omersel (US \$3500) University of Ljubljana Faculty for Pharmacy Chair of Clinical Biochemistry Aškerčeva 7 1000 Ljubljana Slovenija E-mail: jasna.omersel@ffa.uni-lj.si | Prof. Shoenfeld Yehuda MD.,FRCP Head: Zabudowicz Center for Autoimmune Diseases, Sheba Medical Center (Affiliated to Tel-Aviv University) Tel-Hashomer 52621, Israel E-mail: shoenfel@post.tau.ac.il |

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| <i>Is Rck1 playing a role in the crosstalk between Yap1 and Yap2 in yeast cells under cadmium stress?</i> 3 months | |
| Daiane Mazzola (US \$3800) Laboratório de Investigação de Fatores de Estresse - LIFE Departamento de Bioquímica - Instituto de Química Universidade federal do Rio de Janeiro – UFRJ, Brazil E-mail: daiagemazzola@yahoo.com.br | Prof Dr. Claudina Rodrigues-Pousada Genomics and Stress Laboratory ITQB, AVENIDA DA REPÚBLICA (EAN) Portugal E-mail : claudina@itqb.unl.pt |

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| <i>Dynamics and functional relevance of the intranuclear foci formed by the glucocorticoid receptor</i> 3 months | |
| Martín Stortz (US \$ 4000) Laboratorio de Expresión Génica en Mama y Apoptosis (LEGMA) IFIBYNE- Conicet Departamento de Química Biológica - FCEyN- UBA Ciudad Autónoma de Buenos Aires, Argentina E-mail : martinstortz@gmail.com and mstortz@qb.fcen.uba.ar | Dr Enrico Gratton Laboratory for Fluorescence Dynamics University of California, Irvine USA E-mail : egratton@uci.edu |

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| <i>SPT-PALM of cell-penetrating peptide-DNA conjugates</i> 3 months | |
| João Freire (US \$3500) Miguel Castanho lab, Physical Biochemistry Instituto de Medicina Molecular (IMM) Faculdade de Medicina, Universidade de Lisboa Av. Prof Egas Moniz,1649-028 Lisboa - Portugal E-mail : joaofreire@medicina.ulisboa.pt | Prof Christophe Zimmer Institut Pasteur 25-28 8 Rue du Docteur Roux 75015 Paris France E-mail : czimmer@pasteur.fr |

| <i>Bioconversion of lignocellulosic material (wheat straw) into single cell oil mediated by <i>Aspergillus caesiellus</i></i> 3 months | |
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| Ramon A. Batista Garcia (US \$3200) Laboratorio Biología Molecular de Hongos Centro de Investigaciones en Biotecnología Universidad Autónoma del Estado de Morelos Cuernavaca, México Email : rbatista25@yahoo.com | Prof. George Aggelis Head of Laboratory of Microbiology Department of Biology Division of Genetics, Cell and Development Biology Department of Biology, University of Patras Patras 365-04 Greece Email : George.aggelis@upatras.gr |

| <i>Application of molecular cytogenetics for characterization of karyotypes in some yams species (<i>Dioscorea spp</i>)</i> 2 months | |
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| Ms Marie Florence Sandrine NGO NGWE (US \$ 3000) Laboratory of Plant Physiology and Biochemistry Department of Biological Sciences, Higher Teachers' Training College, PO Box 47, Yaoundé Cameroon Email : florencengongwe@yahoo.fr | Dr Sonja Siljak-Yakovlev Director of Research – CNRS Universite Paris-Sud/CNRS/AgroParisTech Paris France Email : sonia.vakovlev@u-psud.fr |

| <i>Seeding and Prion-like propagation of Alpha-synuclein and AR-polyQ protein studied in vitro and in vivo</i> 2 months | |
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| Bahareh Eftekharzadeh (US \$4000) PhD student Laboratory of Molecular Biophysics Chemistry and Molecular Pharmacology Program Institute for Research in Biomedicine Baldiri Reixac 10, 08028, Barcelona Spain Email : bahareh.eftekharzadeh@irbbarcelona.org | Prof Gabriele Kaminski Schierle Department of Chemical Engineering and Biotechnology University of Cambridge Pembroke Street Cambridge CB2 3RA United Kingdom Email : gsk20@cam.ac.uk |

The antimicrobial and radical scavenging properties of extracts and purified molecules isolated from medicinal species of Benin pharmacopeia

3 months

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| Abdou Madjid Olatounde Amoussa (US \$ 3500) Laboratory of Biochemistry and Molecular Biology Faculty of Sciences and Technology University of Abomey-calavi (UAC) 04 BP 0320, Cotonou Republic of Benin Email : chifmadjid@gmail.com | Dr Catherine Vonthron-Senecheau Assistant Professor Laboratoire d'Innovation Therapeutique UMR 7200 Faculte de Pharmacie – 74 Universite de Srasbourg Route de Rhin CS 60024 67401 ILLKIRCH CEDEX France Email : vonthron@unistra.fr |
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**Wood-Whelan Fellowships awarded
2015**

Stabilisation of Rabies Monoclonal Antibodies by Engineering Degradation Prone Regions

1 month

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| Sindisiwe Buthelezi (\$700) 57 Oscars Place Lynnwood Road Silverlakes, Pretoria 0054 South Africa E-mail: sbuthelezi@csir.co.za | Prof. Dr Lennart Martens Group Leader, Computational Omics and Systems Biology Group Ghent University anv VIB Albert Baertsoenkaai 3 9000, Ghent Belgium E-mail : lennart.martens@UGent.be |
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PKC-Mediated regulation of ZEB1 during breast and prostate cancer progression and metastasis

4 months

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| Maria Candelaria Llorens de los Rios (\$4000) María Candelaria Llorens CIBICI-CONICET Facultad de Ciencias Químicas - UNC Haya de la Torre y Medina Allende Ciudad Universitaria-X5000HUA Córdoba-Argentina E-mail: candellorens@gmail.com | Prof Marcelo G. Kazanietz, Ph.D. Professor of Pharmacology University of Pennsylvania School of Medicine Department of Pharmacology 1256 Biomedical Research Building II/III 421 Curie Blvd., Philadelphia, PA 19104-6160 United States of America E-mail : marcelog@upenn.edu |
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Role of Glycosyltransferases in plant immunity
3 months

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| Dr Franco Ruben Rossi (\$1800) Instituto de Investigaciones Biotecnológicas (IIB) – Instituto Tecnológico Chascomús (INTECH). Universidad Nacional de General San Martín (UNSAM). Avenida Intendente Marino Km 8,2. Chascomús, Buenos Aires, Argentina (7130) E-mail: francorossi@intech.gov.ar | Prof Laura Galloway & Dr Cristian Danna Department of Biology P.O. Box 400328 University of Virginia Charlottesville United States of America E-mail : lg8b@eservices.virginia.edu |
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A bioinformatics approach to study plant microRNA evolution and biogenesis
2 months

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| Uciel P. Chorostecki (\$3500) Institute of Molecular and Cellular Biology of Rosario (IBR) National University of Rosario Argentina E-mail: ucielp@gmail.com | Dr Cedric Notredame Group Leader - Comparative Bioinformatics Group Bioinformatics and Genomics Programme Room 440.03 Centre de Regulació Genòmica (CRG) Dr. Aiguader, 88 08003 Barcelona Spain E-mail : cedric.notredame@crg.es |
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Mechanism of calcium release during acute phase of Endoplasmic Reticulum stress
3 months

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| Dr. Constanza Feliziani (\$3000) Laboratorio de Biofísica Instituto de Investigación Médica Mercedes y Martín Ferreyra INIMEC-CONICET Friuli 2434. Cordoba - CP5016. Argentina E-mail: cfeliziani@immf.uncor.edu | Prof James Donald Lechleiter, PhD Director STRF Neuroscience Program ad interim Department of Cellular & Structural Biology UTHSCSA, 8403 Floyd Curl Drive, Mail Code 8253 San Antonio, TX USA Email: Lechleiter@uthscsa.edu |
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SmCI, the first bi-functional inhibitor of serine protease and metallo-carboxypeptidase
A: deciphering its interaction stoichiometry with trypsin, elastase and CPA by NMR,
DLS and size exclusion chromatography
2 months

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| Mey Ling Reytor González (\$2500) Centre for Protein Studies Faculty of Biology Calle 25 numero 455 entre Jel, Vedado University of Havana Havana Cuba E-mail: mey@fbio.uh.cu | Prof. Jose Ricardo Pires Instituto de Bioquímica Médica Universidade Federal do Rio de Janeiro Av. Brig. Trompowski s/n CCS bloc E, sala10 21941-590 Rio de Janeiro Brasil E-mail: jrmpires@gmx.net |
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| Relevance of subcellular segregation in the DesK-DesR two-component system regulation 4 months | |
| Marcos Nieves (\$4000) Cellular Membranes Lab Institut Pasteur de Montevideo Matajojo 2020 Montevideo 11400 Uruguay E-mail: marcosnieves@gmail.com | Prof. Dr. Roland Wedlich-Söldner Institute of Cell Dynamics and Imaging Von-Esmarch-Straße 56 48149 Münster Germany E-mail: wedlich@uni-muenster.de |

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| Regulation of focal adhesion turnover and actin dynamics during cells migration by 14-3-3σ 3 months | |
| Kumarkrishna Raychaudhuri (\$3500) Graduate Student Sorab Lab, KS-230, TMC-ACTREC, Navi Mumbai PIN 410210 India E-mail: kraychaudhuri@actrec.gov.in | Dr Jennifer Lippincott-Schwartz Chief, Section on Organelle Biology Cell Biology and Metabolism Program National Institute of Child Health and Human Development National Institute of Health Bethesda, MD 20892 USA Email: lippincj@mail.nih.gov |

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| To assess mitochondrial DNA damage and respiration rate in C. elegans models of complex I diseases 2.5 months | |
| Dr Silvia Maglioni (\$2900) Ventura Lab IUF- Leibniz Research Institute for Environmental Medicine Auf'm Hennekamp 50, 40225 Düsseldorf, Germany E-mail: silvia.maglioni@uni-duesseldorf.de | Assoc Prof Joel Meyer Nicholas School of the Environment Duke University A354, A wing, LSRC, 308 Research Drive Duke University Durham, USA E-mail : joel.meyer@duke.edu |

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| Effect of membrane fluidity and lipid phase coexistence on binding, oligomerization, and pore-forming ability of sticholysin I, a toxin produced by a sea anemone with potential biomedical applications 4 months | |
| Lohans Pedrera Puentes (\$4000) Centre for Protein Studies (CEP) and Department of Biochemistry, Faculty of Biology, University of Havana Havana, CP 10400 Cuba E-mail: lohans@fbio.uh.cu | Prof. Dr. Ana J. García Sáez Interfaculty Institute of Biochemistry (IFIB) University of Tübingen Hoppe-Seyler-Str. 4, 72076 Tübingen Germany E-mail: ana.garcia@uni-tuebingen.de |