

"Where Biotechnology Begins"



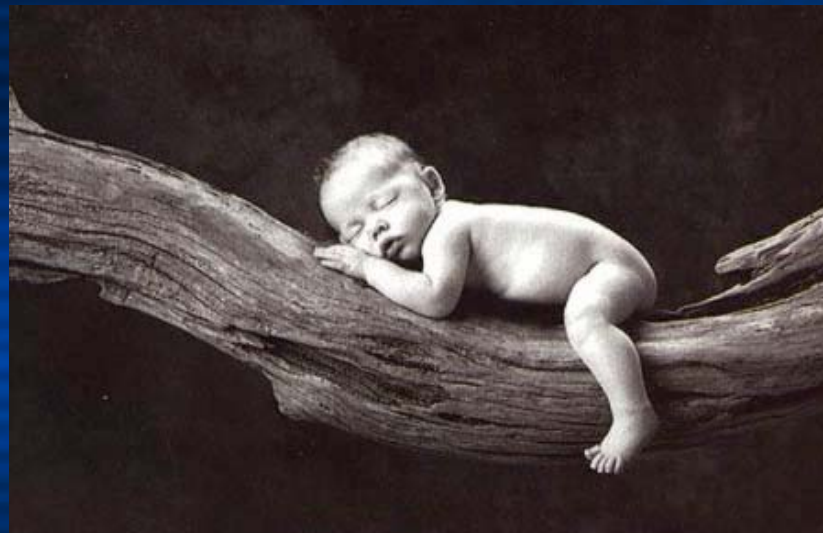
Department of Biochemistry

<http://www.md.rcm.upr.edu/biochemistry/index.htm>

*UPR- Recinto de Ciencias Medicas
Edificio Principal, Oficina A619
758-2525 extensiones 1601, 1602*

What is Biochemistry?

- **Biochemists ask how the thousands of different biomolecules interact with each other to confer the remarkable properties of living organisms.**



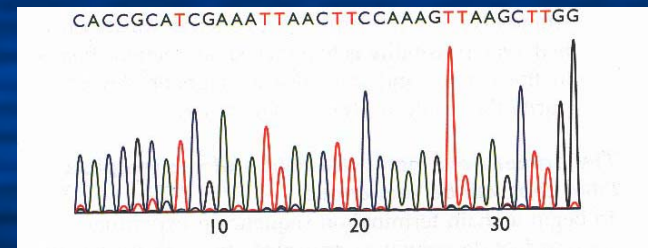
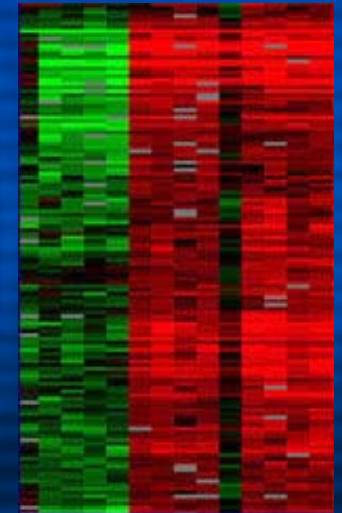
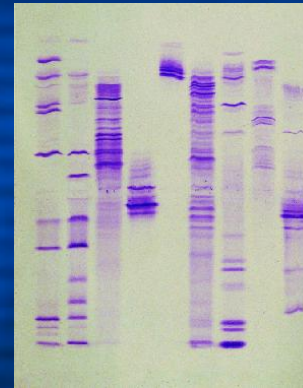
Facilities and Technologies

University of Puerto Rico, School of Medicine

"Where Biotechnology Begins"



- **Molecular Biology/Genetics Core Facilities**
- **Microarray reader**
- **DNA Sequencer**
- **Real-time PCR**
- **HPLC**
- **DHPLC**
- **FPLC**
- **Capillary electrophoresis**
- **Cell culture**
- **Fluorescence microscopy**
- **GC-MS**
- **Luminex**





Faculty

***Jose R. Rodriguez Medina, Ph.D.
Molecular Biology of Myosin II and
Fungal Cell Wall Biogenesis***



***Carmen L. Cadilla, Ph.D.
Genetics of Hereditary Disorders
in Puerto Rico***



***Jose F. Rodriguez Orengo, Ph.D.
Biochemical Pharmacology
of Antiviral Drugs***



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Faculty



Braulio D. Jimenez, Ph.D.
***Molecular and Environmental
Toxicology***



Carlos Basilio Reyes, M.D.
Oxidative Stress



Dipak K. Banerjee, Ph.D.
***Glycobiology and
Cancer / Angiogenesis***



Alan M. Preston, Ph.D.
Nutrition and Disease

New Members in 2007



***Abel Baerga Ortiz, Ph.D.
Assistant Professor
Biosynthesis of Polyketide Antibiotics
and Related Bioactive Compounds***



***Joshua Rosenthal, Ph.D.
Institute of Neurobiology
Adjunct Professor
RNA Editing in Cephalopods
and Mammals***

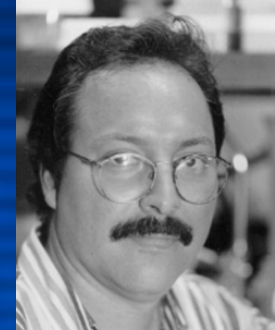
Joint and Adjunct Faculty

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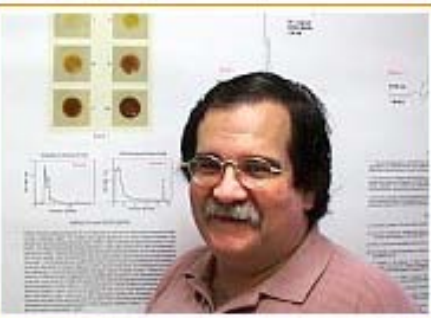
- **Dr. Fernando González**
UPR-Chemistry, Rio Piedras
P2Y₂ Receptors
- **Dr. George Hillyer**
UPR-School of Medicine, Pathology
Anti-Parasitic Vaccines
- **Dr. Suranganie Flanagan Dharmawardhane**
UCC School of Medicine, Bayamon
Antioxidant properties of Resveratrol



Joint and Adjunct Faculty

University of Puerto Rico, School of Medicine


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Sixto Garcia Castiñeiras, M.D., Ph.D.
UPR-School of Medicine, Ophthalmology
Joint Professor and Distinguished Alumni 2007
Ocular Biochemistry



Elsa M. Cora, Ph.D.
Adjunct Professor and Distinguished
Alumni 2007
Cancer Biomarkers



Marcia Cruz Correa, M.D., Ph.D.
UPR-School of Medicine, Dept of Medicine
Adjunct Professor
Epigenetics of Cancer