



Past IUBMB Jubilee Lecturers

2021



Ana Maria Cuervo, Albert Einstein College of Medicine, USA
in Tribute to Margarita Salas

"Selective autophagy: efficient recycling for a long healthy life"

Given at the **43rd Annual Meeting of the Spanish Society of Biochemistry & Molecular Biology** for her outstanding contributions to understanding autophagy.

Barcelona, Spain (*Virtual Meeting*) | 19 -22 July 2021



Hailing Jin, University of California – Riverside, USA

"Cross-kingdom small RNA trafficking between plant hosts and fungal pathogens"

Given at the **XIV Annual Meeting SBBMCh 2021** for her outstanding contributions to understanding the molecular mechanisms of plant immunity and pathogen virulence.

Chile (*Virtual Meeting*) | 26 October 2021

2020



Gary D. Wu & James D. Lewis, University of Pennsylvania, USA

"Lessons learned from interventional studies on diet and the human gut microbiome"

Given at the 2020 Miami Winter Symposium on "Molecular Mechanisms Linking the Microbiome and Human Health" for their outstanding contributions to understanding the role of diet and gut microbiome in disease.

Miami, Florida, USA | 26 – 29 January 2020



Melissa Moore, Moderna Therapeutics Inc., USA

"mRNA as medicine"

Given at the 25th Annual meeting of the RNA Society for her outstanding contributions to RNA biology and therapeutics.

Vancouver, BC, CA (*Virtual Meeting*) | 26 – 31 May 2020



Jack Szostack, Harvard Medical School, USA

"Clues to the Origins of RNA from the Chemistry of Nonenzymatic RNA Copying"

Given at the 25th Annual meeting of the RNA Society for his outstanding contributions to the evolution of RNA and the origins of life.

Vancouver, BC, CA (*Virtual Meeting*) | 26 – 31 May 2020



Dafna Bar-Sagi, NYU Langone Medical Center, USA

“Ras oncogene in cancer pathogenesis and therapy”

Given at the Cell Signaling in Cancer Conference: From Mechanisms to Therapy for her outstanding contributions to understanding the function and biology of Ras.

(Virtual Meeting) | 21 – 22 September 2020

2019

Raymond Schinazi, Emory University, Atlanta, USA

“Evolving Concepts in HIV and Emerging Viral Infections”

Given at the 2019 Miami Winter Symposium on “Evolving Concepts in HIV and Emerging Viral Infections”

Miami, Florida, USA | 27 – 30 January 2019

Francesca Granucci, University Milano Bicocca, Italy

“Interaction of Biomedical Nanoparticles with the Immune System”

Given at the 2019 International School of Nanomedicine on “4th Course on Precision Medicine”

Erice (Sicily), Italy | 2 – 8 July 2019

Gijs Wuite, Vrije Universiteit Amsterdam, the Netherlands

“Single molecule manipulation and imaging of complex DNA-protein transactions”

Given at the 2019 Biophysical Society Thematic Meeting on “Revisiting the Central Dogma of Molecular Biology at the Single Molecule Level”

Lima, Peru | 18 – 21 July 2019

Xiaowei Zhuang, Harvard University, USA

“Imaging at the genomic-scale: From 3D organization of the genomic DNA to cell atlas of complex tissues”

Given at the 2019 Biophysical Society Thematic Meeting on “Revisiting the Central Dogma of Molecular Biology at the Single Molecule Level”

Lima, Peru | 18 - 21 July 2019

Fu-Tong Liu, Taipei, Taiwan

“Cytosolic galectins as sensors for endo-lysosomal damage”

Given at the 2019 25th International Symposium on Glycoconjugates

Milano, Italy | 25 - 31 August 2019

Tony Hunter, Salk Institute, USA

“Phosphorylation as a paradigm for reversible post-translational modification of proteins”

Given at the 2019 10th Inhibitors of Protein Kinases Conference

Warsaw, Poland | 14 – 19 September 2019

Lynne E. Maquat, University of Rochester, USA

“Nonsense-mediated mRNA Decay in Human Health and Disease”

Given at the 2019 Molecular Biosystems Conference on “Eukaryotic Gene Regulation and Functional Genomics”

Puerto Varas, Chile | 30 September – 4 October 2019

Alexander Varshavsky, Caltech, USA

“Regulated Protein Degradation and N-Degron Pathways”

Given at the 2019 1st Annual Meeting of the International Society of Protein Termini (ISPT) on “Protein Termini 2019”

Seoul, Korea | 3 - 5 October 2019

Philip Stahl, Washington University School of Medicine, USA

“Exosomes: the rise of a new paradigm in intercellular communication”

Given at the 2019 Joint LV Annual SAIB Meeting and XIV PABMB Congress

Salta, Argentina | 5 – 8 November 2019

Palmer Taylor, University of California, USA

“Going forward with an antidote to control central and peripheral cholinergic stimulation: a practical approach to minimizing chemical terrorism”

Given at the 2019 16th International Symposium on “Cholinergic Mechanisms” and 2nd Misrahi Symposium on “Neurobiology”

Rehovot, Israel | 8 – 13 December 2019

2018

Michael Clarke, Stanford University, California, USA

“Perturbations in stem cell self-renewal pathways in degenerative disease and cancer”

Given at the 2018 Miami Winter Symposium on “Stem Cells”

Miami, Florida, USA | 28 – 31 January 2018

Dario Alessi, University of Dundee, Scotland

“Regulation and Function of the LRRK2 Parkinson’s Kinase”

Given at the 2018 ASBMB Meeting on “Kinases”

San Diego, California, USA | 9 – 12 December 2018

2016

Bruce Alberts, University of California, San Francisco, USA

“Spreading Science throughout Society: A Challenge for the 21st Century”

Given at the 52nd Annual Meeting of the Argentine Society for Biochemistry and Molecular Biology

Cordoba, Argentina | 7 – 10 November 2016

Enrique Cadenas University of Southern California, Los Angeles, CA, USA

“Brain energy metabolism and inflammation – Role of insulin resistance”

Given at the XIXth National Congress of the Portuguese Biochemical Society

Guimarães, Portugal | 8 – 10 December 2016

Mark von Itzstein, Griffith University, Brisbane, Australia

“Important considerations in targeting proteins associated with significant respiratory viruses”

Given at the Special IUBMB Meeting “Frontiers in Glycoscience: Host-pathogen interactions”

Taipei, Taiwan | 12 – 14 December 2016

2013

Michael Karin, University of California, San Diego, USA

"Metabolic stress and cancer: Common features of liver and pancreatic cancers"

Given at the 2013 Miami Winter Symposium on "The Molecular Basis of Metabolism and Nutrition"
Miami, Florida, USA | 10 – 13 February 2013

Yasmine Belkaid, NIAID, National Institutes of Health, Bethesda, MD, USA

"Compartmentalized and systemic control of tissue immunity by commensals"

Given at the 14th IUBMB Conference on "Host-microbe interactions"
Marrakech, Morocco | 17 – 20 November 2013

2012

Jackie Ying, Institute of Bioengineering and Nanotechnology, Singapore

"Nanocomposite design of advanced biomaterials"

Given at the Miami Winter Symposium on "Nanotechnology in Biomedicine"
Miami, Florida, USA | 26 – 29 February 2012

2011

Emma Whitelaw, Queensland Institute for Medical Research, Australia

"Epigenetics and the determination of phenotype"

Given at the 2011 Miami Nature Biotechnology Winter Symposium "Epigenetics in Development and Disease"
Miami, Florida, USA | 6 – 9 February 2011

Johannes von Lintig, Case Western Reserve University, Cleveland, Ohio, USA

" β -carotene as a unique pro-vitamin A"

Given at the Symposium on "New Developments in Carotenoids Research"
Boston, Massachusetts, USA | 11 – 12 March 2011

2009

Mathias Uhlén, Royal Institute of Technology (KTH), Stockholm, Sweden

"A Human Protein Atlas for profiling cells, tissues and organs"

Given at the 14th European Congress on Biotechnology
Barcelona, Spain | 13 – 16 September 2009

2008

Nikolaus Rajewsky, Max Delbrück Center for Molecular Medicine, Berlin, Germany

"microRNA Targets"

Given at the 2008 Miami Nature Biotechnology Winter Symposium "Regulatory RNA in Biology and Human Health"
Miami Beach, Florida, USA | 2 – 6 February 2008

Hermona Soreq, Hebrew University, Jerusalem, Israel
"Cholinesterase Modulations of Mammalian Stress and Anxiety Reactions"
Given at the 20th National Biochemistry Congress
Cappadocia, Turkey | 29 October – 1 November 2008

2005

Christopher K. Mathews, Oregon State University
"Protein-protein Interactions in DNA Precursor Biosynthesis"
Given at the XIXth Conference of the South African Society for Biochemistry and Molecular Biology
Stellenbosch, South Africa | 17 January 2005

Dame Louise Johnson, FRS
"Protein Kinase Substrate Recognition and Regulation"
Given at the 2005 Miami Nature Biotechnology Winter Symposium "Signal Transduction in Cancer"
Miami Beach, Florida, USA | 2 – 5 February 2005

2004

Ron Kopito, Stanford University
"The role of the ubiquitin-proteasome pathway in protein folding and aggregation"
Given at the Fall symposium 2004 of the Nederlandse Vereniging voor Biochemie en Moleculaire Biologie
Amsterdam, The Netherlands | 28 October 2004

2003

Sir John Maddox FRS
"What Remains to be Discovered"
Final address at the 2003 Miami Nature Biotechnology Winter Symposium
"50 Years On: From the Double Helix to Molecular Medicine"
Miami Beach, Florida, USA | 2 – 5 February 2003

S Krishna, St George's Hospital Medical School, London, UK
"Membrane transporters of the malaria parasite as new drug targets"
Given at the meeting of the South African Society for Biochemistry and Molecular Biology "Molecules of Life"
Pretoria, South Africa | 6 – 9 July 2003

2001

Peer Bork, EMBL, Heidelberg
"Comparative Genome Analysis"
Given at the 44th meeting of the Canadian Biochemical Society
"From Genome to Structure and Function"
Alliston, Ontario | 31 May - 3 June 2001