

## European Systems & Synthetic Biology-2009 Meeting

at the Hotel All Seasons Evry Cathedrale  
52 Boulevard des Coquibus 91000 Evry, France

### AGENDA/ SPEAKERS\*

Meeting on September 14 – 15, 2009

#### Scientific Organizers:

Krishnarao Appasani, PhD., MBA. GeneExpression Systems, Inc., Waltham, USA  
Alfonso Jaramillo, PhD. Genopole, CNRS-University of Evry, France  
Giovanni Murtas, PhD. Centro Enrico Fermi, Rome, Italy

### Day 1: Monday, September 14

**9:00 A.M:** Registration Open

**9.30 AM – 12.15 PM: Session I: Systems Biology & Genetic Circuits**

Chair: Krishna Appasani

**9.30 - 9.45 AM**

**Chairman's Welcoming Note:  
Krishnarao Appasani, PhD.**

Founder & CEO, GeneExpression Systems, Waltham, MA, **USA** &  
Chairman, Appasani Research Conferences & Educational Institute  
(ARCEI.org), **USA**

**9.45 – 10.15 AM**

**Opening Lecture By Alfonso Jaramillo, Ph.D.**

Group Leader  
Genopole, CNRS-University of Evry, **France**

**Title:** TBA

**10.15 – 10.45 AM**

**Michel Werner, PhD.**

Professor at the Institut de radiobiologie cellulaire et moléculaire  
Commissariat à l'Energie Atomique, Evry, **France**

**Title:** Study of the genome-wide mechanisms of transcription in yeast and mouse

**10.45 – 11.15 AM BREAK (30 min)**

**11.15 – 11.45**

**Dr. Stefan Wiemann**

Group Leader of Molecular Genome Analysis  
German Cancer Research Center, Heidelberg, **Germany**

**Title:** Modeling and experimental testing of ERBB-regulated G1/S transition to  
tackle drug resistance in breast cancer

**11.45 – 12.15 PM**

**Yair Mazor**

PhD Student in the Dept. of Computer Science & Applied Math  
& Department of Biological chemistry  
Weizmann Institute of Science, **Israel**

**Title:** A DNA programming language as a mean to design DNA libraries

**12.15 – 1.45 PM Lunch Break (1 hour 30 min.) Lunch will be provided**

**1.45 – 5.30 PM: Session II: Constructive Biology      Chair: G. Murtas**

- 1.45 – 2.15 PM      **Giovanni Murtas, PhD.**  
Senior Grant at Centro "Enrico Fermi"  
Rome, **Italy**  
**Title:** A Synthetic Biology approach to construct a minimal cell
- 2.15 - 2.45 PM      **Warren Ruder, MS.**  
PhD Student in the Lab of Dr. Philip R. LeDuc  
Associate Professor of Mechanical & Biomedical Engineering  
Carnegie Mellon University, Pittsburgh, PA, **USA**  
**Title:** Building Biosynthetic Systems Using Magnetotactic Bacteria
- 2.45 – 3.15 PM      **Hubert Bernauer, PhD.**  
Chief Executive Officer  
ATG:biosynthetics GmbH, Merzhausen, **Germany**  
**Title:** PepMAP, EvoMAG and ACEMBL – Combinatorial Synthetic Biology Tools
- 3. 15 – 3.30 PM:      Refreshment Break (15 min)**
- 3.30 – 4.00 PM      **David Gilbert, PhD.**  
Professor & Head of Information Systems, Computing & Maths  
Brunel University, Uxbridge, Middlesex, **Untied Kingdom**  
**Title:** Systems and Synthetic Biology approaches to design and analyze biochemical networks
- 4.00 – 4.30 PM      **Pierre-Alain Monnard, Ph. D.**  
Associate Professor of Physics and Chemistry  
FLinT Center, University of Southern Denmark, Odense M, **Denmark**  
**Title:** Genetic material synthesis in structured environments
- 4.30 – 5.00 PM      **Sevilla Camins Angel, PhD., MBA**  
Chief Executive Officer  
inBIONova Biotech S.L. & Universidad de Murcia, Murcia, **Spain**  
**Title:** Optimization of a bioprocess through Cofactor Engineering applying mathematical models
- 5.00 – 5.30 PM      **Pablo Carbonell, PhD.**  
Research Fellow in the Lab of Professor Jean-Loup Faulon  
Genopole Campus, University of Evry, Evry, **France**  
**Title:** Catalytic promiscuity prediction with molecular signatures

**5.30 PM                      End of Day 1 Sessions**

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**Day 2: Tuesday, September 15, 2009**

**8:30 A.M:**            **Registration Open**

**9.00 AM – 10.50 PM: Session III: Synthetic Biology & Signaling Systems**

**Chair: Alfonso Jaramillo**

9.00 – 9.40 AM        **Industry Keynote Lecture by Ralf Wagner, PhD.**

Founder & Chief Executive Officer

GeneArt, AG, Regensburg, **Germany**

**Title:** Impact of high throughput gene synthesis on synthetic biology

9.40 – 10.20 AM     Presentation of Synthetic Biology Innovator Award to Dr. Wilfried Weber

**Special Lecture by Wilfried Weber, PhD.**

Professor of Biology

Albert-Ludwigs-University of Freiburg, Freiburg, **Germany**

**Title:** Synthetic Biologic Signaling Systems in Drug Discovery and Materials Science

10.20 – 10.50 AM    **Marco Vanoni, PhD.**

Professor of Biochemistry, Dept. of Biotechnology & Biosciences

University of Milano-Bicocca, Milan, **Italy**

**Title:** Systems biology of yeast cell cycle

**10.50 – 11.15 AM    BREAK (25 min)**

**11.15 – 12.20 PM: Session IV: Network Biology    Chair: Katja Arndt**

11.15 – 11.45 AM    **Katja M. Arndt, PhD.**

Professor of Biology in the Institute of Biology III, Bioss

Albert-Ludwigs University of Freiburg, Freiburg, **Germany**

**Title:** Development of Photo-switchable Interfering Peptides to Manipulate Protein Networks

11.45 – 12.15 PM    **Eric Bouhassira, Ph.D.**

Ingeborg and Ira Leon Rennert Professor of Stem Cell Biology & Regenerative Medicine &

Director, Einstein Ctr. for Human Embryonic Stem Cell Research

Albert Einstein College of Medicine, Bronx, New York, **USA**

**Title:** Predictable Dynamic Program of Timing of DNA Replication in Human Cells

**12.15 – 12.20 PM    CLOSING REMARKS**

by Krishna Appasani & Announcement of next year Meeting

**12.30 – 2.00 PM    Lunch will be provided**

**2.00 PM: DEPART**

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