



CONSORZIO INTERUNIVERSITARIO
NAZIONALE METODOLOGIE E PROCESSI
INNOVATIVI DI SINTESI (CINMPIS)

"GIORNATE SCIENTIFICHE BORSISTI CINMPIS" (17th EDITION)

*Towards a New Vision of Chemistry
in Everyday Life and Technology*



PROGRAMME

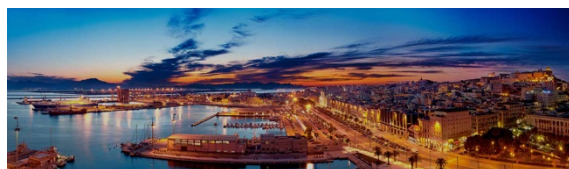


Cagliari, December 15-16, 2017

*Aula Magna, Facoltà di Architettura
Via Corte d'Appello 87, Cagliari*

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(A postcard from "Il Castello", Cagliari)

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*The Event is sponsored by Università degli Studi di Cagliari
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Prof. Dr. Dieter Seebach

Laboratorium für Organische Chemie
ETH Zürich (Switzerland)

2017 CINMPIS LECTURER



Dieter Seebach was born in Karlsruhe (Germany) in 1937, and received his B.Sc. (1961) and Ph.D. (1964) from the University of Karlsruhe. He was Postdoctoral Fellow with E.J. Corey and served as a Lecturer on Chemistry at Harvard University (1965/1966). Independent research at Karlsruhe led to a Habilitation in 1969. After habilitation, he became Professor of Organic Chemistry at the Justus Liebig-Universität Giessen (1971-1977) and, since 1977, he has held the same position at the Eidgenössische Technische Hochschule (ETH) in Zürich (emeritus status since 2003). His work dramatically influenced the progress of organic synthesis, and resulted in over 850 research papers, more than 20 patents, and over 1100 invited lectures, seminars, and colloquia. Seebach supervised about 150 PhD students, was awarded several Prizes, six medals, an honorary doctorate degree, and memberships in major scientific academies and societies in Japan, Europe, and USA.

Friday December 15, 2017**14:30-15:00** REGISTRATION**15:00 OPENING CEREMONY AND AWARD TO PROF. DR. DIETER SEEBACH**

Prof. Maria Del Zompo (Rector Magnificus, UNICA), **Prof. Andrea Porcheddu** (CINMPIS, UNICA), **Prof. Maura Monduzzi** (Director of DSCG, UNICA), **Prof. Vito Capriati** (Director of CINMPIS)

15:30 Session Chair: Prof.ssa Daniela Montesarchio

15:30 CINMPIS AWARD FOR "INNOVATION IN ORGANIC SYNTHESIS" - **KYN-01:** "Synthesis of High Value Added Molecules by Catalytic and Heterocyclization Approaches", **Dr. Raffaella Mancuso**, University of Calabria.

16:00 OC-01: "Controlled Pore Glass-based Oligonucleotide Affinity Support: Developing High Throughput Screening Methods for the Identification of Conformation-selective G-quadruplex Ligands", **Dr. Chiara Platella**, University of Napoli Federico II.

16:15 OC-02: "Synthesis of a New Photo-alkylating G-Quadruplex Ligand", **Dr. Alessandra Benassi**, University of Pavia.

16:30-17:00 COFFEE BREAK**17:00 Session Chair: Prof. Vincenzo Piccialli**

17:00 KYN-02: "Bacterial Photosynthetic Enzymes as Photochemical Soft Bio-Materials". **Dr. Francesco Milano**, CNR-IPCF, Bari.

17:30 OC-03: "Studies on Derivatives of Lentiginosine, a Proapoptotic Agent", **Dr. Anna Ranzenigo**, University of Firenze.

17:45 OC-04: "N-Heterocycles as Core Structures of Bioactive Molecules". **Dr. Lucia Ferrazzano**, University of Bologna.

15:30 Session Chair: Prof. Claudio Santi

18:00 OC-05: "Synthesis and Reactivity of Carbo- and Heterocyclic Compounds", **Dr. Elena Chiurchiù**, University of Camerino (MC).

18:15 OC-06: "New Methodologies for the Synthesis of Highly Functionalized Heterocycles", **Dr. Nicola Melis**, University of Cagliari.

18:30 OC-07: "Michael Additions of Organozincates to Nitrostyrenes and Coumarins for the Obtainment of Novel Chelating Agents Potentially Useful in Alzheimer's Disease Treatment", **Dr. Marzia Dell'Aera**, University of Bari.

18:45 OC-08: "Synthesis of New Seleno-derivatives as GPx-like Compounds", **Dr. Francesca Mangiavacchi**, University of Perugia.

20:30 SOCIAL DINNER**Saturday December 16, 2017****9:30 Session Chair: Prof. Vito Capriati**

9:30 CINMPIS LECTURE
"Research, a Magical Mystery Tour".
Prof. Dr. Dieter Seebach, ETH Zürich (Switzerland).

10:15 CINMPIS AWARD FOR "THE BEST DOCTORAL THESIS" - **KYN-04:** "Tailoring Organic Matter: From Molecular Design to Functional Supramolecular Species", **Dr. Luka Đorđević**, University of Trieste.

10:45-11:15 COFFEE BREAK**11:15 Session Chair: Prof. Claudio Trombini**

11:15 KYN-05: "Dye-sensitized Photo(electro)chemical Solar Fuels Production", **Dr. Norberto Manfredi**, University of Milano-Bicocca.

11:45 OC-09: "Isatinyl/Indanyl Nitrones (INs) as Important Precursors of Heterocycles: Synthesis and Antioxidant/Biological Activity", **Dr. Loredana Maiuolo**, University of Calabria.

12:00 OC-10 "Molecular Recognition of Carbohydrates in Water: A Synthetic Receptor for Fucoose", **Dr. Marco Martinucci**, University of Firenze.

12:15 OC-11 "Ball Milling Towards Green Synthesis: Mechanical Activation of Chemical Processes", **Dr. Rita Mocci**, University of Cagliari.

12:30 KYN-06: "Chemistry Around Nitrogen Heterocycles and NSAIDs: Discovery of Novel Endocannabinoid Level Regulators", **Prof. Valentina Onnis**, University of Cagliari.

13:00 CLOSING CEREMONY