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# Lectures 2016-17

PhD in Organic Chemistry

Universitat de Barcelona

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**1. Ramon Eritja (IQAC-CSIC)**

*Development of novel drugs based on nucleic acids*

13/10/2016 12:00 h

**2. Anthony Davis (University of Bristol, UK)**

*Synthetic lectins – The Host-Guest chemistry of carbohydrates in water*

28/10/2016 12:00 h

**3. Jieping Zhu (Université de Lausanne, Switzerland)**

*Simplify the complexity: A bioinspired, non-biomimetic synthesis of indole alkaloids*

04/11/2016 12:00 h

**4. Miquel Costas (Universitat de Girona)**

*Biologically inspired approaches to selective oxidation catalysis*

18/11/2016 12:00 h

**5. Roger Norcross (Hoffmann-La Roche)**

*TAARI Agonists—a new approach for the treatment of psychiatric disorders*

02/12/2015 12:00 h

**6. Modesto Orozco (Universitat de Barcelona)**

*Simulating DNA, from the electron to the chromosome*

14/12/2016 12:00 h

**7. Fernando Coelho (Universidade Estadual de Campinas, Brasil)**

*The Morita-Baylis-Hillman reaction in organic synthesis: recent advances*

19/12/2016 12:00 h

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8. [Albert Moyano \(Universitat de Barcelona\)](#)

**Absolute asymmetric synthesis and the origin of biological homochirality: walking on the wild side**

02/02/2017 12:00 h

9. [Dirk Trauner \(Ludwig-Maximilians-Universität, Munich, Germany\)](#)

**Tales of two stereoisomers**

10/02/2017 12:00 h

10. [Martin Smith \(University of Oxford, UK\)](#)

**Counter-ions and cascades in organic synthesis**

03/03/2017 12:00 h

11. [Manuel Alcarazo \(Georg-August-Universität Göttingen, Germany\)](#)

**Cationic phosphines: Synthesis and applications**

17/03/2017 12:00 h

12. [Angel Rodríguez de Lera \(Universidade de Vigo\)](#)

**Stereocontrolled synthesis of carotenoids: A number of stories and a story of numbers**

31/03/2017 12:00 h

13. [Peter Sadler \(University of Warwick, UK\)](#)

**From organometallic and photoactivatable anticancer complexes to in-cell catalysis and single metal atom chemistry**

21/04/2017 12:00 h

14. [Gonçalo Bernardes \(University of Cambridge, UK\)](#)

**Chemical physiology of protein conjugates and natural products**

05/05/2017 12:00 h

15. [Hiriyakkanavar Ila \(Jawahar Lal Nehru Centre for Advanced Scientific Research, India\)](#)

**Design and development of novel organosulfur synthons as versatile template for heterocycle synthesis**

12/05/2017 12:00 h

16. [Jesús Pérez \(Universidad de Zaragoza\)](#)

**Development of NHC-based molecular and hybrid transition-metal catalysts**

19/05/2017 12:00 h

17. [Claudio Palomo \(Universidad del País Vasco\)](#)

**Strategies and tactics for enantioselective catalysis: from metal-ligand complexes to bifunctional Brønsted bases**

02/06/2017 12:00 h

18. [Barry M. Trost \(Stanford University, USA\)](#)

**On the design of chiral space for asymmetric induction in catalytic synthetic reactions**

22/06/2017 12:00 h