



# Workshop: “Bottlenecks in the application of 3Rs in the R&D process in the pharmaceutical industry”

## III JORNADA REMA

### Session 1: Inauguration

Chair: Dr. Argelia Castaño (President REMA, Spain)

**09:00 - 09:30** Presentation of the workshop – VP ECOPA – Authorities

**09:30 - 10:00** Opening lecture: The R& D Process in the Pharmaceutical Industry. Prof. Friedlieb Pfannkuch (Vice President, Non Clinical Safety, Hoffmann-La Roche, Switzerland)

### Session 2: Hit to Lead

Chair: Dr. Domingo Gargallo (GSK & REMA, Spain)

**10:00 - 10:30** In silico prediction of toxic effects. A project of the Spanish Platform of Innovative Medicines. Dr. Ferrán Sanz, (Universitat Pompeu Fabra & Spanish Mirror Platform on Innovative Medicines, Spain)

**10:30 - 11:00** In silico prediction of metabolism. Dr. Per Garber (Bio Vitrium, Sweden)

**11:00 - 11:30 Coffee Break**

### Session 3: Lead to Candidate

Chair: José Vicente Castell (Fundación La Fe & REMA, Spain)

**11:30 - 12:00** Anticipating brain-blood barrier permeability of drugs. Romeo Ceccelli (University of Artois)

**12:00 - 12:30** Drug Hepatotoxicity. Dr. María-José Gómez Lechón/ Dr. José Vicente Castell (Centro de Investigación, Hospital La Fe & REMA, Spain)

**12:30 - 13:00** Use of Zebrafish in toxicology screening. Dr. Philippe Vanparys (Center for Advanced R&D on Alternative Methods - CARDAM - , Belgium; former at Johnson & Johnson)



### Session 4: Regulatory Development

Chair: Joan-Albert Vericat (Neuropharma SA & REMA)

**13:00 - 13:30** Drug carcinogenesis assessment. Dr. Eckhard Keutz, Senior Vice President, Global Head Toxicology, Bayer HealthCare AG

**13:30 - 14:00** The difficulties in accepting new guidelines. Dr. Carmen Díez, Spanish Agency for Medicines and Healthcare Products, Preclinical Evaluation.

Lunch time 14:00 – 15:30

### Session 5: Conclusions & Round Table

Chair: J.M. Urzay (Farmaindustria, Spain)

**15:30 - 16:00** Conclusions from sessions 1-4. Dr. Joan-Albert Vericat, Neuropharma SA, IVTIP & REMA, Spain.

**16:00 - 17:00** Round Table: Towards the 4thR: Responsibility in Research. Dr. JV Castell, Dr. D Gargallo, Dr. JA Vericat

**17:30** End of the Meeting

**Ministerio Sanidad y Consumo**

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