

# 2025 ESPE-OSCAR SCIENCE SYMPOSIUM

Mineralization of bone and growth plate,  
towards the development of new therapies

**PARIS**  
September  
18 & 19



PRELIMINARY PROGRAM

**ESPE**  
European Society for  
Paediatric Endocrinology

**OSCAR**  
filie-re-oscar.fr

FILIERE  
SANTÉ  
MALADIES  
RARES

# SCIENTIFIC AND LOCAL ORGANIZING COMMITTEE

ESPE-OSCAR  
PARIS 2025



**Justine BACCHETTA** (Lyon, France)  
**Claire BARDET** (Paris, France)  
**Karelle BENISTAN** (Garches, France)  
**Karine BRIOT** (Paris, France)  
**Mireille CASTANET** (Rouen, France)  
**Roland CHAPURLAT** (Lyon, France)  
**Catherine CHAUSSAIN** (Paris, France)  
**Martine COHEN-SOLAL** (Paris, France)  
**Valérie CORMIER-DAIRE** (Paris, France)  
**Maud DE DIEULEVEULT** (Paris, France)  
**Gianpaolo DEFILIPPO** (Paris, France)

**Thomas EDOUARD** (Toulouse, France)  
**Isabelle GENNERO** (Toulouse, France)  
**Pascal HOUILLIER** (Paris, France)  
**Hervé KEMPF** (Nancy, France)  
**Gilles LAVERNY** (Strasbourg, France)  
**Sandrine LEMOINE** (Lyon, France)  
**Agnès LINGLART** (Le Kremlin-Bicêtre, France)  
**Benoit MIOTTO** (Paris, France)  
**Julien VAN GILS** (Bordeaux, France)  
**Frédéric VELARD** (Reims, France)

## ORGANIZER

European Society of Pediatric Endocrinology (ESPE) & OSCAR, The French network of rare bone, calcium and cartilage diseases

## EVENT

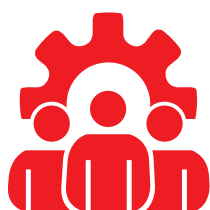
2025  
ESPE-OSCAR  
SCIENCE SYMPOSIUM

## DATES

September 18 & 19, 2025

## VENUE / CITY

PARIS – FRANCE  
Hyatt Regency Paris Étoile



## SPEAKERS &amp; CHAIRS



## A

**Jakub ABRAMSON**

PhD, Associate Professor Head of Abramson Lab "Immune tolerance & Autoimmunity", Faculty of Biology, Department of Immunology and Regenerative Biology, Weizmann Institute of Science, Rehovot, Israel

**Thomas Levin Geiser ANDERSEN**

PhD, Associate Professor, Department of Clinical Research, University of Southern Denmark, the Department of Pathology, Odense University Hospital, and the Department of Forensic Medicine, Aarhus University in Denmark. Head of Molecular Bone Histology Lab (MBH Lab), and the Danish Spatial Imaging Consortium (DanSIC), Odense, Denmark

**Natasha APPELMAN-DIJKSTRA**

MD, PhD, Professor of Internal Medicine section Endocrinology, Head of Center for Bone Quality, Leiden University Medical Center, Chief Educator of Internal Medicine for the Leiden education region, Leiden, The Netherlands

## B

**Justine BACCHETTA**

MD, PhD, Professor of Pediatric Nephrology, Paediatric Nephrology Rheumatology and Dermatology Unit, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, Hospices Civils de Lyon, Claude Bernard Lyon 1 University, INSERM UMR1033 Research Unit, Lyon, France

**Claire BARDET**

PhD, HDR, Professor, Head of Orofacial Rare Diseases Research Group, INSERM UMR 1333 Oral Health, Vice-Dean Research UFR Odontologie, Faculty of Health, Paris Cité University, Paris, France

**Martin BIOSSE DUPLAN**

DDS, PhD, Professor of Periodontology, Oral Medicine Department, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, Bretonneau Hospital AP-HP, Paris Cité University, Lab Oral Health, INSERM UMR1333, Paris, France

## C

**Roland CHAPURLAT**

MD, PhD, Professor of Rheumatology, Head of Rheumatology and Bone Diseases Department, Reference Center for Fibrous Dysplasia of Bone, Hospices Civils de Lyon, Claude Bernard Lyon 1 University, Head of INSERM UMR1033 LYOS Research Unit, Lyon, France

**Catherine CHAUSSAIN**

DDS, PhD, Professor of Odontology, Oral Medicine Department, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, Bretonneau Hospital AP-HP, Paris Cité University, Lab Oral Health, INSERM UMR1333, Paris, France

**Martine COHEN SOLAL**

MD, PhD, Professor of Rheumatology, Rheumatology Department, Reference Center for Rare Bone Diseases, Lariboisière Hospital AP-HP, Paris Cité University, Head of INSERM UMR 1132 BIOSCAR Research Unit, Paris, France

**Valérie CORMIER-DAIRE**

MD, PhD, Professor of Medical Genetics, Genomic Medicine for Rare Diseases Department, Reference Center for Rare Bone Diseases, Necker Enfants-Malades Hospital AP-HP, Paris Cité University, INSERM UMR 1163, Imagine institute, Paris, France

## E

**Thomas EDOUARD**

MD, PhD, Professor of Pediatrics Endocrinology, Head of Paediatric Endocrinology and Bone diseases Unit, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, Filière OSCAR, ERN BOND, Children's Hospital of Toulouse, University of Toulouse, Toulouse, France



## SPEAKERS &amp; CHAIRS



## F

**Brian FOSTER**

MS, PhD, Associate Professor, Division of Biosciences, College of Dentistry, The Ohio State University, Ohio, USA

**Nadja FRATZL-ZELMAN**

PhD, HDR, Senior Researcher, Ludwig Boltzmann Institute of Osteology at the Hanusch Hospital of OEGK and AUVA Trauma Centre Meidling, 1st Medical Department, Hanusch Hospital, Vienna Bone and Growth Center, Vienna, Austria

## G

**Frédéric GAULOIS**

President of the association of patients and families affected by Hypophosphatemic Vitamin-Resistant Rickets or X Linked Hypophosphatemia (RVRH-XLH), Suresnes, France

**Corinna GRASEMANN**

MD, Professor of Pediatrics Endocrinology, Head of the Center for Rare Diseases (CeSER) at the University Children's Hospital in Bochum, Ruhr University Bochum, Bochum, Germany

## H

**Dieter HAFFNER**

MD, Professor of Pediatrics, Head of Department of Pediatric Kidney, Liver and Metabolic Diseases, Hannover Medical School (MHH), Director, KfH Kidney Center for Children and Adolescents, Hannover, Germany

**Karen E. HEATH**

PhD, ErCLG, Director of the Institute of Medical & Molecular Genetics (INGEMM), Head of the Skeletal dysplasia laboratory, INGEMM, Hospital Universitario la Paz, IdiPAZ; Skeletal dysplasia multidisciplinary Unit (UMDE, ERN BOND), and CIBERER, ISCIII, Madrid, Spain

**Wolfgang HÖGLER**

MD, FRCPCH, Professor of Paediatrics, Chief of Paediatrics, Centre of Growth and Osteology, Department of Paediatrics and Adolescent Medicine, Johannes Kepler University Linz, Linz, Austria



## K

**Hervé KEMPF**

PhD, INSERM Researcher, Head of the Research Team CARPATH (Cartilage Pathophysiology and Therapeutics) at the UMR 7365 IMoPA (Molecular & Cellular Engineering and Pathophysiology) Laboratory, CNRS, University of Lorraine, Nancy, France

**Uwe KORNAK**

MD, PhD, Professor University of Göttingen, Göttingen, Germany

## L

**Gilles LAVERNY**

PhD, HDR, Researcher INSERM, Head of a Research Subgroup on the Pathophysiological role of vitamin D signaling, at the Institute of Genetics and Molecular and Cellular Biology, IGBMC, CNRS UMR 7104/INSERM U1258, Strasbourg University, Strasbourg, France

**Laurence LEGEAI-MALLET**

PhD, HDR, Director of Research INSERM, Head of INSERM UMR 1163 Research Unit, Imagine Institute, Paris, France

**Agnès LINGLART**

MD, PhD, Professor of Pediatrics, Head of Paediatric Endocrinology and Diabetology Department, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, and Filière OSCAR, Bicêtre Hospital AP-HP, Paris Saclay University, INSERM, Le Kremlin-Bicêtre, France

## M

**Arnaud MOLIN**

MD, PhD, MCU Medical Genetic, Medical Genetics Department, Reference Center for Rare Diseases of Calcium and Phosphate Metabolism, University Hospital of Caen, UR 7450 Biology, genetics and osteoarticular and respiratory therapies (BIOTARGEN) Research Unit, University of Caen Normandy, Caen, France

## P

**Raja N. R. PADIDELA**

MD, Professor, Consultant Paediatric Endocrinologist & Metabolic Bone Diseases, Head of the Children's Bone and Mineral Disorder service, Royal Manchester Children's Hospital, The University of Manchester, Manchester, United Kingdom

## SPEAKERS &amp; CHAIRS



## R

**Adalbert RAIMANN**

MD, Pediatrics and Adolescent Medicine, Comprehensive Center for Pediatrics, Department of Pediatrics and Adolescent Medicine, Medical University of Vienna, Vienna, Austria

**Mara RIMINUCCI**

MD, PhD, Professor of Anatomic Pathology, Department of Molecular Medicine Sapienza University of Rome, Rome, Italy

**Frank RUTSCH**

MD, Professor of Pediatrics, Head of the Metabolic Department, Muenster University Children's Hospital and Center for Rare Diseases, Muenster University Hospital, Muenster, Germany

## V

**Frédéric VELARD**

PhD, HDR, Research Engineer, Head of a Research Subgroup of Bone loss: pathophysiology and therapeutic approaches at UR BIOS (Biomaterials and Inflammation in Bone Site), Reims Champagne-Ardennes University, Reims, France

## W

**Marjolaine WILLEMS**

MD, Medical Genetics, Head of Medical Genetics Department, Reference Center for Rare Bone Diseases, University Hospital of Montpellier, Institute for Neurosciences of Montpellier- INSERM U1051, Montpellier, France





RESERVED  
FOR  
OSCAR  
MEMBERS

09:30 - 10:00 **Registration for OSCAR members**

10:00 - 10:15 **Welcome and short introduction**  
Agnès LINGLART (Le Kremlin-Bicêtre, France)

### **OSCAR RESEARCH DAY**

*Chairs: Martine COHEN-SOLAL (Paris, France), Yahya DEBZA (Le Kremlin-Bicêtre, France)*

10:15 - 11:00 **Presentation of OSCAR research project results**

11:00 - 12:00 **Announcement of the awardees** for the "Research Impulse Call",  
best "Scientific Papers" and "Young Researchers".

12:00 - 13:20 **Registration and Lunch break**

### **OPENING CEREMONY**

*Agnès LINGLART (Le Kremlin-Bicêtre, France)*

### **KEYNOTE LECTURE**

*Chairs: Valérie CORMIER-DAIRE (Paris, France), Adalbert RAIMANN (Vienna, Austria)*

13:30 - 14:00 **Genetic disorders of the skeleton: a developmental approach**  
Uwe KORNAK (Göttingen, Germany)

### **SESSION 1 - SHORT STATURE AND BONE GROWTH**

*Chairs: Valérie CORMIER-DAIRE (Paris, France), Adalbert RAIMANN (Vienna, Austria)*

14:00 - 14:30 **Genetics of short stature and mild skeletal anomalies**  
Karen E. HEATH (Madrid, Spain)

14:30 - 15:00 **The mouse model of hypochondroplasia**  
Laurence LEGEAI-MALLET (Paris, France)

15:00 - 15:30 Short oral communications

15:30 - 16:00 **Interactive clinical cases by attendees and faculty**  
Valérie CORMIER-DAIRE (Paris, France), Thomas EDOUARD (Toulouse, France),  
Marjolaine WILLEMS (Montpellier, France)

16:00 - 16:30 **Coffee break and Posters**

### **SESSION 2 - LESSONS FROM THE GROWTH PLATE AND TOOLS**

*Chairs: Justine BACCHETTA (Lyon, France), Corinna GASEMANN (Bochum, Germany)*

16:30 - 17:00 **Characterization of bone mineralization in rare diseases**  
Nadja FRATZL-ZELMAN (Vienna, Austria)

17:00 - 17:30 **The input of new technologies for bone tissues**  
Thomas Levin Geiser ANDERSEN (Odense, Denmark)

17:30 - 18:00 Short oral communications

18:00 **End of day 1 sessions**

20:00 **Dinner**



### SESSION 3 - WHAT'S NEW IN VITAMIN D?

*Chairs: Agnès LINGLART (Le Kremlin-Bicêtre, France), Raja PADIDELA (Manchester, UK)*

**08:30 - 09:00**    **Manipulation of the VDR**  
Gilles LAVERNY (Strasbourg, France)

**09:00 - 09:30**    **Nutritional rickets in the world**  
Wolfgang HÖGLER (Linz, Austria)

**09:30 - 10:00**    Short oral communications

**10:00 - 10:30**    **Interactive clinical cases by attendees and faculty**  
Justine BACCHETTA (Lyon, France), Agnès LINGLART (Le Kremlin-Bicêtre, France),  
Arnaud MOLIN (Caen, France)

**10:30 - 11:00**    **Coffee break and Posters**

### SESSION 4 - TEETH AS A MODEL TO STUDY BONE PATHOLOGY

*Chairs: Catherine CHAUSSAIN (Paris, France), Martin BIOSSE DUPLAN (Paris, France)*

**11:00 - 11:30**    **Autoimmune amelogenesis imperfecta in APS1**  
Jakub ABRAMSON (Rehovot, Israel)

**11:30 - 12:00**    **Rare disorders and impaired tooth mineralization**  
Brian FOSTER (Ohio, USA)

**12:00 - 12:30**    **Therapeutic strategies of X-linked hypophosphatemia**  
Claire BARDET (Paris, France)

**12:30 - 13:00**    Short oral communications

**13:00 - 14:00**    **Lunch break and Posters**





### SESSION 5 - FIBROUS DYSPLASIA OF BONE

*Chairs: Roland CHAPURLAT (Lyon, France), Frédéric VELARD (Reims, France)*

**14:00 - 14:30** **Lessons from the animal models**

Mara RIMINUCCI (Rome, Italy)

**14:30 - 15:00** **Clinical landscape from the registries**

Natasha APPELMAN-DIJKSTRA (Leiden, The Netherlands)

**15:00 - 15:30** Short oral communications

**15:30 - 16:00** Coffee break and Posters

### SESSION 6 - ROUND TABLE ON RECENT GUIDELINES AND PERSPECTIVES PATIENTS

*Chair: Agnès LINGLART (Le Kremlin-Bicêtre, France)*

**16:00 - 17:00** **Achondroplasia**

Valérie CORMIER-DAIRE (Paris, France)

**X-linked hypophosphatemia (XLH)**

Dieter HAFFNER (Hannover, Germany)

**Patient Representative Group – Association RVRH-XLH**

Frédéric GAULOIS (Suresnes, France)

### CLOSING PLENARY CONFERENCE

*Chair: Hervé KEMPF (Nancy, France)*

**17:00 - 17:30** **The genetics of hereditary disorders of ectopic calcification**

Frank RUTSCH (Münster, Germany)

**17:30** **Closure of the meeting and departures**





ESPE-OSCAR  
**PARIS 2025**



SCAN THE QR CODE TO FIND ALL THE INFORMATION ABOUT  
THE SCIENCE SYMPOSIUM ESPE-OSCAR 2025 !

[www.espe-oscar-science-symposium-2025.org](http://www.espe-oscar-science-symposium-2025.org)

## CONTACTS

**ESPE**  
EUROPEAN SOCIETY OF PEDIATRIC ENDOCRINOLOGY  
<https://www.eurospe.org/>

**OSCAR FILIÈRE SANTÉ MALADIES RARES**  
DE L'OS, DU CALCIUM ET DU CARTILAGE  
[contact@filiere-oscar.fr](mailto:contact@filiere-oscar.fr) - [www.filiere-oscar.fr](http://www.filiere-oscar.fr)

**OSCAR TEAM**  
Sara BREDACHE  
Elisabeth CELESTIN  
Yahya DEBZA  
Meryem SARI HASSOUN