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## **ERC Advanced Grant Panels 2023**

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## **PHYSICAL SCIENCES AND ENGINEERING (PE)**

### **Mathematics (PE1)**

**Marcelo Viana** (Panel Chair)

Andrei Agrachev  
Kari Astala  
Nicola Bellomo  
Annalisa Buffa  
Maria De Iorio  
Irène Gijbels  
Daniel Huybrechts  
Eleny Ionel  
Rahim Moosa  
Ryszard Nest  
Patrice Ossona de Mendez  
Benoît Perthame  
Peter Schneider  
Emo Welzl

### **Fundamental Constituents of Matter (PE2)**

**Richard Keith Ellis** (Panel Chair)

Maria Capeans  
Caterina Doglioni  
Tilman Esslinger  
Ricardo Fonseca  
Matthew Headrick  
Marcus Huber  
Andrej Kugler  
Chiara Macchiavello  
Michal Malinský  
Morgan Mitchell  
Milada Mühlleitner  
Nadia Pastrone  
Gennady Shvets

### **Condensed Matter Physics (PE3)**

**Christian Back** (Panel Chair)

Alexander Balatsky  
Hélène Bouchiat  
Václav Janiš  
Thomas Klar  
Eva Monroy  
Yamir Moreno  
Peter Oppeneer  
Francesco Pavone  
Jukka Pekola  
Pere Roca-Cusachs

### **Physical and Analytical Chemical Sciences (PE4)**

**Deborah Leckband** (Panel Chair)

Florence Babonneau  
Nigel Browning  
Wybren Jan Buma  
Giulio Cerullo  
David Clary  
Attila Császár  
Maria de Fátima da Costa Montemor  
Paolo Fornasiero  
Gerhard Hummer  
Pavel Jungwirth  
Shelley Minter  
Reinhard Niessner  
Sara Snogerup Linse



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## **PHYSICAL SCIENCES AND ENGINEERING (PE)**

### **Synthetic Chemistry and Materials (PE5)**

**Anita Maguire** (Panel Chair)

Michelle Arkin  
Luisa Bausa  
Thomas Bein  
Jiří Čejka  
Louis Fensterbank  
Elżbieta Frąckowiak  
Matthew Gaunt  
Frank Glorius  
Andrzej Kotarba  
Angela Marinetti  
Rachel O'Reilly  
Rosa Palacín  
Amelia Rauter

### **Computer Science and Informatics (PE6)**

**Horst Bischof** (Panel Chair)

Hagit Attiya  
Ricardo Baeza-Yates  
Michael Ben-Or  
Antonia Bertolino  
Ernesto Birgin  
Stephen Brewster  
Carlo Ghezzi  
Antonín Kučera  
Tomas Pajdla  
Jan Peters  
Frank Piessens  
Daniel Rückert  
Andrei Sabelfeld  
Yvan Saeys  
Frank van Harmelen  
Maarten van Steen

### **Systems and Communication Engineering (PE7)**

**Aylin Yener** (Panel Chair)

Mete Atatüre  
Jürgen Brugger  
Martin Buss  
Bernard Dieny  
Min Gu  
Christine Guillemot  
Róbert Horváth  
Elena Lomonova  
Gernot Müller-Putz  
Domenico Prattichizzo  
Anders Rantzer  
Guy Vandenbosch  
Michele Zorzi

### **Products and Processes Engineering (PE8)**

**Christian Sattler** (Panel Chair)

Ferdinando Auricchio  
Juan Baeza  
Erhan Budak  
Ingemar Denbratt  
Neven Duić  
Morteza Gharib  
Gerhard Holzapfel  
Andreas Kappos  
Angeliki Lemonidou  
Sandro Macchietto  
Mercedes Maroto-Valer  
Dimitri Mavris  
Celso Pupo Pesce  
Stefanie Reese  
Maarten Steinbuch  
Wai Yee Yeong



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## **PHYSICAL SCIENCES AND ENGINEERING (PE)**

### **Universe Sciences (PE9)**

#### **Benjamin Wandelt** (Panel Chair)

Tomasz Bulik  
Paola Caselli  
Andrea Ferrara  
Charles Lawrence  
Jan Palouš  
Etienne Pointecouteau  
Huub Röttgering  
Nuno C. Santos  
Ewa Szuszkiewicz  
Licia Verde  
Wouter Vlemmings  
Sven Wedemeyer  
John Zarnecki

### **Earth System Science (PE10)**

#### **Sherilyn Fritz** (Panel Chair)

Christopher Bean  
Lucy Carpenter  
Claudio Chiarabba  
Olivier Evrard  
Rong Fu  
Filippo Giorgi  
John Grytnes  
Magnús Guðmundsson  
Adrian Luckman  
Jack Middelburg  
Laurie Reisberg  
Monika Rhein  
Jan Seibert

### **Materials Engineering (PE11)**

#### **Emmanuel Flahaut** (Panel Chair)

Amanda Barnard  
Serge Bourbigot  
Nora de Leeuw  
Gijsbertus de With  
Manuela E. Gomes  
Daniel Kelly  
Mónica Lira-Cantú  
Marcel Mayor  
Thuc-Quyen Nguyen  
Wolfgang Parak  
Sibilia Concita  
Susan B. Sinnott  
Ion Tiginyanu  
Carsten Werner  
Philip Withers



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## **LIFE SCIENCES (LS)**

### **Molecules of Life: Biological Mechanisms, Structures and Functions (LS1)**

#### **Kristina Djinović-Carugo** (Panel Chair)

Bruno Antony  
Alison E. Ashcroft  
Benjamin Davis  
Arnold Driessen  
Johan Elf  
Deborah Fass  
Karl-Peter Hopfner  
Roland Kanaar  
Magda Konarska  
Johanna Myllyharju  
Michael Sattler  
Roberto Sitia

### **Integrative Biology: From Genes and Genomes to Systems (LS2)**

#### **Uwe Sauer** (Panel Chair)

Brenda Andrews  
Déborah Bourc'his  
Nicholas Katsanis  
Bernhard Küster  
Peter W. Laird  
Boris Lenhard  
Joakim Lundeberg  
Yves Moreau  
Martin Polz  
Gideon Rechavi  
Jochen Reif

### **Cellular, Developmental and Regenerative Biology (LS3)**

#### **Anja Geitmann** (Panel Chair)

Francesco Cecconi  
Claude Desplan  
Susanne Lens  
Pura Muñoz-Cánoves  
Miguel Angel Peñalva  
François Schweisguth  
Irene Söderhäll  
Nicolas Tapon  
Giuseppe Testa  
Sara Wickström  
Alpha Yap  
Cyril Zipfel

### **Physiology in Health, Disease and Ageing (LS4)**

#### **Karen E. Knudsen** (Panel Chair)

Timothy Aitman  
Lawrence Boise  
Frédéric Bouillaud  
Rolf Brekken  
Francesca Demichelis  
Béatrice Desvergne  
Jennifer Gamble  
Norbert Hübner  
Gerard Pasterkamp  
Linda Penn  
Rosario Rizzuto  
Patrick Schrauwen  
Kirsi Virtanen



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## **LIFE SCIENCES (LS)**

### **Neuroscience and Disorders of the Nervous System (LS5)**

#### **Eero Castrén** (Panel Chair)

Djoher Nora Abrous  
Angeles Almeida  
Thomas Berger  
Felix Blankenburg  
Elizabeth Fisher  
Fiona Francis  
Barbara Franke  
Thomas Graven-Nielsen  
Stephen Lawrie  
Juan Lerma  
Alessandro Serretti  
Martijn van den Heuvel

### **Prevention, Diagnosis and Treatment of Human Diseases (LS7)**

#### **Wouter Jukema** (Panel Chair)

María José Alonso  
Josep Maria Antó  
Ergin Atalar  
Gemma Casadesus  
Pierre Coulie  
Stefaan De Smedt  
Hélène Dollfus  
Alexander Drzezga  
Martino Introna  
Vessela N. Kristensen  
Carlo La Vecchia  
Shulamit Levenberg  
Hywel Morgan  
Mads Nielsen  
Maria Prins  
Heinz-Peter Schlemmer  
Ana Valdes

### **Immunity, Infection and Immunotherapy (LS6)**

#### **Claude-Agnès Reynaud** (Panel Chair)

Marta Alarcón-Riquelme  
Clare Bryant  
Carmen Buchrieser  
Christian Doerig  
Francesca Granucci  
Martin Hibberd  
Frank Kirchhoff  
László Nagy  
Andreas Radbruch  
Pedro Romero

### **Environmental Biology, Ecology and Evolution (LS8)**

#### **Richard Bardgett** (Panel Chair)

Susanne Åkesson  
Michael Bahn  
Madeleine Beekman  
Hervé Bocherens  
Elena Conti  
Joana Falcao Salles  
Markus Fisher  
Michael Hochberg  
Robert Holt  
Loeske Kruuk  
Ester Serrão  
Ralf Sommer  
Nils Christian Stenseth  
Wim Vyverman



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## **LIFE SCIENCES (LS)**

### **Biotechnology and Biosystems Engineering (LS9)**

#### **Lone Gram (Panel Chair)**

Dirk-Jan De Koning

Liam Dolan

Nikolaj Gadegaard

Sofie Goormachtig

Majlinda Lako

Sarah Lebeer

Werner Ernst Müller

Nagendra P. Shah

Verena Siewers

Bart Thomma

Marco Ventura

John Vontas



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## **SOCIAL SCIENCES AND HUMANITIES (SH)**

### **Individuals, Markets and Organisations (SH1)**

#### **April Franco** (Panel Chair)

Elena Antonacopoulou  
Pol Antràs  
Hossein Asgharian  
Tiago Cavalcanti  
Thomas Dohmen  
Zvi Eckstein  
Françoise Forges  
Reyer Gerlagh  
Anna Grandori  
Kurt Matzler  
Eva Maria Mörk  
Melissa Prado  
Peggy Valcke  
Juuso Välimäki  
Jaap Wieringa

### **Institutions, Governance and Legal Systems (SH2)**

#### **Paulus Albertus Blokker** (Panel Chair)

Veronika Bílková  
Katja Franko  
Rachel Gibson  
Christoffer Green-Pedersen  
Oskar Josef Gstrein  
Sieglinde Gstöhl  
Gabriella Ilonszki  
Keith Kraus  
Johannes Pollak  
René Repasi  
Srirupa Roy  
Catarina Santos Botelho  
Robert Schütze  
Jens Steffek  
Pascale Vielle

### **The Social World and its Diversity (SH3)**

#### **Martina Merz** (Panel Chair)

Richard Arum  
Wim Beyers  
Deevia Bhana  
Barry Brown  
Monica Budowski  
Paul Wenzel Geissler  
Rachael E. Jack  
Aphra Kerr  
Catarina Kinnvall  
Karen Phalet  
Sascha Schroeder  
Michael W. Scott  
Tereza Stöckelová  
Karen Walторp  
Barbie Zelizer

### **The Human Mind and Its Complexity (SH4)**

#### **Roi Cohen Kadosh** (Panel Chair)

Gisle Andersen  
Maria Teresa Bajo  
Raphael Berthelé  
Ilaria Bufalari  
Herman Wright Cappelen  
Matteo Colombo  
Michelle de Haan  
Céline Douilliez  
Ewa Gruszczyńska  
Maribel Romero  
Kaius Sinnemäki  
Jan Theeuwes  
Peter M. Todd  
Markus Ullsperger  
Andrzej Wiśniewski





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## **SOCIAL SCIENCES AND HUMANITIES (SH)**

### **Cultures and Cultural Production (SH5)**

#### **Galin Tihanov** (Panel Chair)

Carla Bagnoli  
Christopher Balme  
Susan Brown  
Jeroen de Kloet  
Franz Fischer  
Anna Foka  
Ivan Gerát  
Alison Keith  
Thomas Y. Levin  
François Madurell  
Agata S. Nalborczyk  
Dan Eugen Rațiu  
Ursula Renz  
Annette Schmiedchen  
Nicholas Thomas  
Elaine Treharne  
René van Woudenberg

### **The Study of the Human Past (SH6)**

#### **Kiran Klaus Patel** (Panel Chair)

Aziz Al-Azmeh  
Jaime Alvar Ezquerro  
Tony Ballantyne  
Charlotte Bigg  
Emanuela Cristiani  
Krassimira Daskalova  
Hilde De Weerd  
Carole Fink  
Nena Galanidou  
David Gentilcore  
Suzanna Ivanic  
Cheryl Makarewicz  
Maria Parani  
Włodzimierz Rączkowski  
Willeke Wendrich

### **Human Mobility, Environment, and Space (SH7)**

#### **Maarten van Ham** (Panel Chair)

Thomas Baudin  
Jane Falkingham  
Marzio Domenico Galeotti  
Genevieve Giuliano  
Helmut Haberl  
Elli Heikkilä  
Roger H. Keil  
Tobias Kuemmerle  
Isaac Luginaah  
Valentina Mazzucato  
Sebastian Oberthür  
Shlomit Paz  
Liesbet Vranken  
Eric D. Widmer  
Michael Woods