



UNIVERSITY
OF BRESCIA



U N I B S
MECHANOBIOLOGY
RESEARCH CENTER



Comune
di Sirmione

EUROPEAN
MECHANICS
SOCIETY

EUROMECH COLLOQUIUM

CELLULAR MECHANOBIOLOGY AND MORPHOGENESIS

21 August – 24 August 2023, Sirmione, Italy

All living cells and tissues exert and experience physical forces that guide their function. Those mechanical processes are pivotal in the biophysics of embryonic formation, tumor angiogenesis, cancer growth and metastasis, wound healing, and developmental diseases. A fundamental understanding of these mechanisms can contribute to the advancement of medical intervention.

This Euromech Colloquium will bring together the most authoritative experts in the field exploring frontier problems, with a view to bridging theoretical and experimental methodologies. Leading perspectives in theoretical and computational mechanics, fluid modelling, experimental cell biomechanics, and mechanobiology will be discussed.

Plenary lectures will be offered by, in alphabetical order:

Alisafaei, F. – New Jersey Institute of Technology
Alvarado, J. – University of Texas at Austin
Arroyo, M. – University of Barcelona
Bacca, M. – University of British Columbia
Bouten, C. – Eindhoven University of Technology
Cheng, L. – University of Auckland
Ciarletta, P. – Polytechnic University of Milan
Delacour, D. – Institute Jacques Monod
Deshpande, V. – University of Cambridge
Doyle, A. – NIH Bethesda
Garcia-Aznar, J. M. – University of Zaragoza
Genin, G. – Washington University in Saint Louis
Gizzi, A. – University of Rome “Campus Bio-Medico”
Gourdon, D. , University of Glasgow
Gräter, F. – Heidelberg Institute for Theoretical Studies
Jungmann, R. – Max Planck Institute of Biochemistry
Kaul, H. – University of Leicester
Klotzsch, E. – Humboldt University of Berlin
Loerakker, S. – Eindhoven University of Technology
Machesky, L. – University of Cambridge
McEvoy, E. – University of Galway
McGarry, P. – University of Galway
McMeeking, R. – University of California, Santa Barbara
McNamara, L. – University of Galway
Nardinocchi, P. – Sapienza University of Rome
Rangamani, P. – University of California San Diego
Ristori, T. – Eindhoven University of Technology
Roca-Cusachs, P. – University of Barcelona
Saif, T. – University of Illinois at Urbana Champaign
Salaita, K. – Emory University
Salvadori, A. – University of Brescia
Schön, I. – Royal College of Surgeons in Ireland
Scita, G. – IFOM Milan
Shenoy, V. – University of Pennsylvania
Smith, M. – Boston University
Vassalli, M. – University of Glasgow
Vogel, V. – ETH Zurich

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