

NANOMOTORS INTERNATIONAL CONFERENCE

Poster number	Name	Surname	Affiliation:	Title of the abstract:
1	Xavier	Arqué Roca	CNRS Gulliver Unit, ESPCI ParisTech, PSL Research University	Effect of Catalytic Microbots on Cytoskeletal Microtubules
2	Ainhoa	González Caelles	IBEC	Enzyme-Powered Nanomotors for Enhanced siRNA Delivery in Bladder Cancer Therapy
3	Michalis	Chatzittofi	Max Planck Institute for Dynamics and Self-Organization	Enzymes as stochastic oscillators: a basic mechanistic description and novel opportunities for design and control
4	Fuli	Chen	Harbin Institute of Technology (Shenzhen)	AlphaLISA based on magnetic photosensitive nanomotors
5	Shuqin	Chen	Institute for Bioengineering of Catalonia	Convective Dynamics of Swarming Enzymatic Nanomotors
6	Carmen	Cuntín Abal	Universidad de Alcalá (UAH)	BiOCI-Biotemplate Magnetic Micromotors For Inhibition Of Bacterial Growth
7	Dr. Akshi	Deshwal	Punjab Engineering College, Chandigarh	Chemotactic Directionality of Alkaline Phosphatase in the Gradient of Carbohydrates & Metal Ions.
8	Pasquale	Digregorio	University of Barcelona	Segregation transition for inertial self-spinning disks
9	Rebeca	Ferrer Campos	ICIQ	Tubular MnO ₂ -based micromotors for ammonia generation
10	Kristin	Fichna	Institute for Bioengineering of Catalonia	Urease-powered nanomotors for chemotherapeutic bladder cancer therapy
11	Michaela	Fojtů	Masaryk University, Brno, Czech Republic	Pollen-Based BioBots for Navigated Cancer Therapy
12	Cole	Fredericks	University of Waterloo, CAN	Multi-Stimulus-Responsive Programmable PNIPAM Hydrogels for Small-Scale Robotics
13	Alexander	Fusi	Eindhoven University of Technology	Enzymatically mediated, Dynamic Assemblies in Surface Functional Stomatocytes
14	Valentin	Gantenbein	ETH Zürich	Microrobotic Superstructures for Transport and Delivery of Magnetic Micromachines
15	Anna	Garcia Hidalgo	IBEC	Integrating In Vitro and In Vivo Studies for Comprehensive Evaluation of Nanoparticle-Based Drug Delivery Systems
16	Bettina	Glahn-Martínez	Universidad de Alcalá	Magnetic Janus micromotors for biosensing tacrolimus in human oral fluids
17	João Marcos	Gonçalves	ICIQ – Institut Català d'Investigació Química	Chemically-fueled upconversion-based Janus micromotors for thermometry applications

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18	Qiaoxin	Guan	State Key Laboratory of Advanced Technology for Materials Synthesis and Processing	An Isotropic Microdroplet Motor Triggered and Traced by Self-Supplied Fuel Induced Crystal Growth
19	Zichang	Guo	Ma Xing Group, Harbin Institute of Technology (Shenzhen), Shenzhen, Guangdong Province, China	Carbon nitride-composite gallium-based liquid metal micromotors that can control movement speed and enhance antibacterial treatment with ultraviolet light
20	Arman	Hajizadeh	Sharif University of Technology	Pixel-based reconfigurable organisms
21	Yang	Huang	Harbin Institute of Technology	Active Colloidal Metamachines
22	Hyungmok	Joh	The University of Texas at Austin	Massively Parallel Microbubble Nano-Assembly
23	Xiaohui	Ju	CEITEC Brno University of Technology	Enhancing Nanorobot Propulsion with Single-Atom Catalysts
24	Mohd Yasir	Khan	Harbin institute of Technology Shenzhen	Dynamics of Torque-Mediated Clustering in Self-Propelled Bimetallic Au-Rh Nanorods
25	Sanjana	Krishna Mani	The Pennsylvania State University	Dynamic Oscillation and Motion of Droplet Micromotors
26	Zaida Zuleica	Lara Chavero	Universitat de Barcelona	Active chiral microswimmer: emergent behavior of suspensions mediated by hydrodynamic interaction
27	Yeji	Lee	TU Chemnitz	Advancing Biomedical Frontiers: The Role of Nanobiosupercapacitors and Biocompatible Engines in Motile Microsystems for Enhanced Therapeutic and Targeted Drug Delivery
28	Shanshan	Li	School of Materials Science and Engineering, Harbin Institute of Technology (Shenzhen)	Magnetic controlled micro robot for targeted sampling of bronchial micro lesions
29	Ziqiao	Li	IDUN, Department of Health Technology, Technical University of Denmark	Cuberdon-inspired microrocket for oral drug delivery
30	Jinwei	Lin	Wuhan University of Technology, Institute for Bioengineering of Catalonia	Glucose-Fueled Bienzyme Cascade Reaction-Powered Nanomotors for Efficient Treatment of Diabetic Wounds
31	Brandon Steven	Linian Huatay	Universidad de Alcalá	Light-responsive MXene Micromotors with controllable swarming motion
32	Yuechi	Liu	Eindhoven university of Technology	Mannosylated Supramolecular Nanomotors for Active Cancer Cell Targeting
33	Viktoria Diana	Lovasz	ICIQ	Nanoengineered Motors for Targeted Pollutant Decomposition and SERS Monitoring

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34	Jiabin	Luan	Radboud University Nijmegen	Microfluidic Design of Streamlined Alginate Hydrogel Motors with Run and Tumble Motion Patterns
35	Inés	Macías Tarrío	IBEC	Urease-powered drug-loaded PLGA nanomotors as a new approach for bladder cancer therapy
36	Anthony Jesús	Martínez Bustos	Institut Català d'Investigació Química	Motion Dynamics and Performance of Photoactive Nanomotors inside Microreactors
37	Amir	Jafari Moghaddam	TU Chemnitz	From Vision to Control: Developing Advanced Imaging Systems for Microrobotics in Healthcare
38	Xuan Dieu Linh	Nguyen	University of Rovira i Virgili	Visible light-driven BiVO ₄ -based microswimmers for water remediation
39	Casper	Nisula	Technical University of Denmark	Acoustically Actuated Microneedles for Oral Drug Delivery
40	Cagatay M.	Oral	Central European Institute of Technology	Radiopaque Nanorobots for Localized Imaging of the Gastrointestinal Tract
41	Xia	Peng	Central European Institute of Technology, Brno University of Technology	Biohybrid microrobots for sustainable removal of micro/nanoplastics
42	Remi	Peters	Radboud University	Soft Self-assembled Nanomotors: Unveiling Cilia-Like Motion through Photoisomerization
43	Carles	Prado Morales	IBEC	Exploring the Movement of Enzymatic-PLGA Nanobots in Human Skin Models
44	Anna	Pushkareva		
45	Juan	Rodríguez III	Columbia University	Molecular Shuttles and Macroscopic Actuators from Biomolecular Motors
46	Alberto	Rodríguez Castillo	Universidad de Alcalá	Affinity peptide modified magnetic micromotors for OFF-ON protein S detection: towards fast COVID-19 determination.
47	Daniel	Sánchez de Alcázar Melendo	IBEC	Enhancing nanomotor stability: the role of enzymatic protection
48	Twan David	Smits	IBEC	On the chemotactic behaviour of natural trafficking vesicles
49	Siwen	Sun	Eindhoven University of Technology	Design and construction of hybrid coacervate-based artificial cells: Nanomotor-driven coacervates
50	Xiang	Sun	Xiamen University	Sonodynamic Bacterial Inactivation Enhanced by an Actuator-Integrated Mechanism
51	Snigdha	Thakur	Indian Institute of Science Education and Research Bhopal	Collapse Dynamics of Flexible Active Polymer

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52	Roshan	Velluvakandy	Central European Institute of Technology, Brno University of Technology.	MXene based Micromotors for biomedical applications.
53	Danni	Wang	Radboud University, Nijmegen., The Netherlands	Programmable Negative Chemotaxis of Polymeric Vesicles
54	Qinglong	Wang	The Chinese University of Hong Kong	Real-time tracking and navigation of a microswarm under laser speckle contrast imaging for targeted delivery in vivo
55	Lei	Xu	South China University of Technology	Light-Driven Micro/Nanomotor for Biomimetic Optical Communication
56	Haojin	Yang	The Chinese University of Hong Kong	Development and control of magnetic microrobot-assisted recanalization system for nasolacrimal duct obstruction
57	Shihao	Yang	The Chinese University of Hong Kong	Controlling Pattern Transformation Rates of Magnetic Colloidal Microswarms in Complex Fluids
58	Chenghao	Zhao	Harbin Institute of Technology	The Design of Heterogeneous Catalysts
59	Zili	Yang	Wuhan University of Technology	Ultrasmall Enzyme-Powered Janus Nanomotor Working in Blood Circulation System
60	Florian	Peter	Max Planck Institute for Medical Research	Reactive, cargo-carrying and degradable micro- and nanomotors