

University Journal Club

Advanced Nanorobots and Multiscale Robotics Lab

Prof. RNDr. Martin Pumera, Ph.D.





Research Group Leader: [prof. RNDr. Martin Pumera, Ph.D.](#)



Research Group Coordinator: [Ing. Alexandra Lukášová](#)



prof. RNDr. Martin Pumera, Ph.D.



15

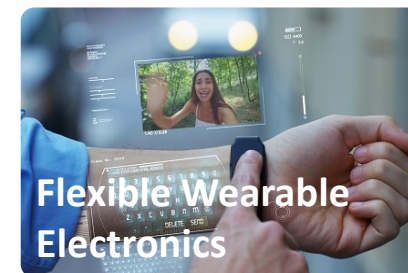
Active members

4

Nationalities



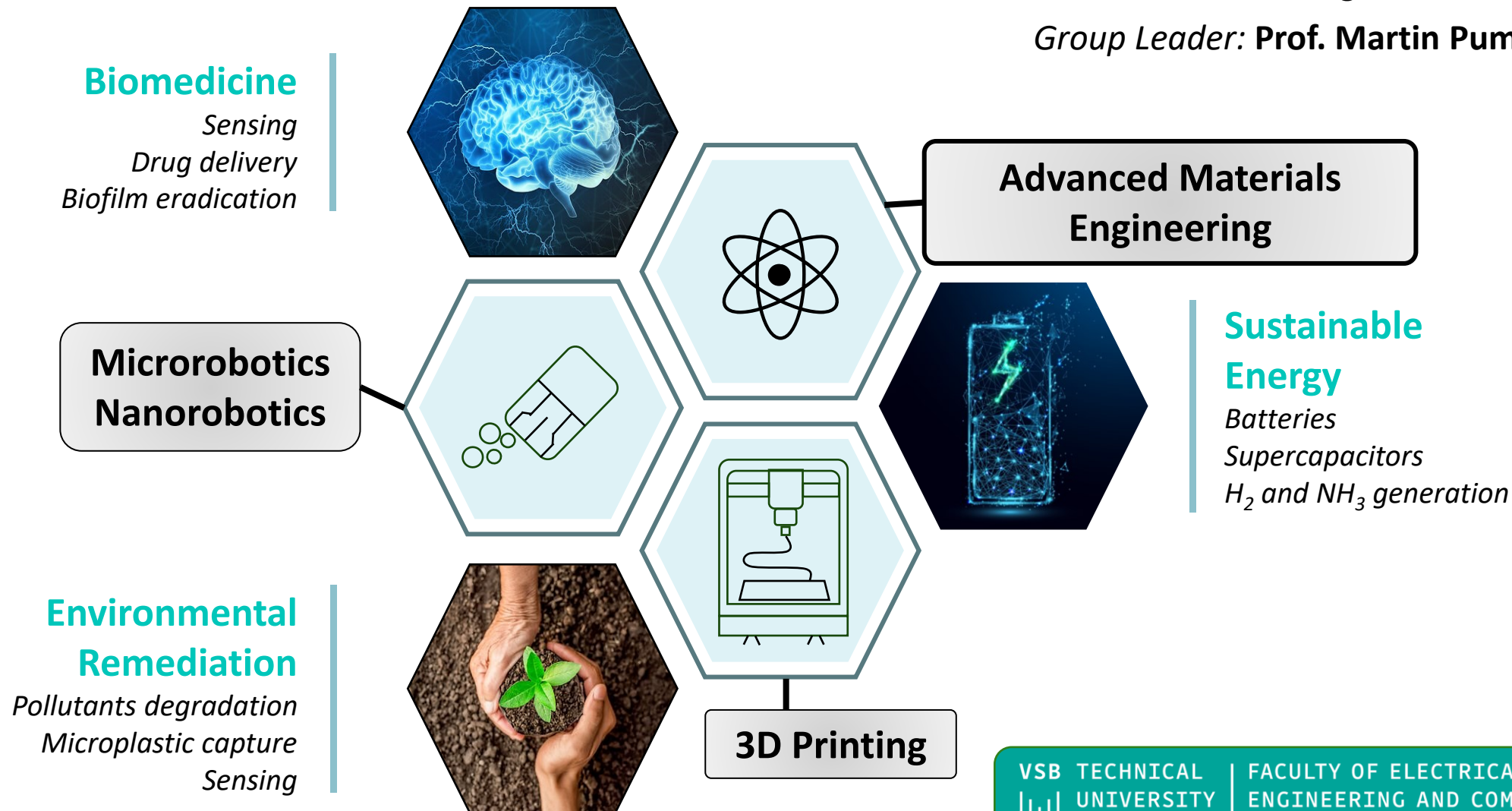
Funding



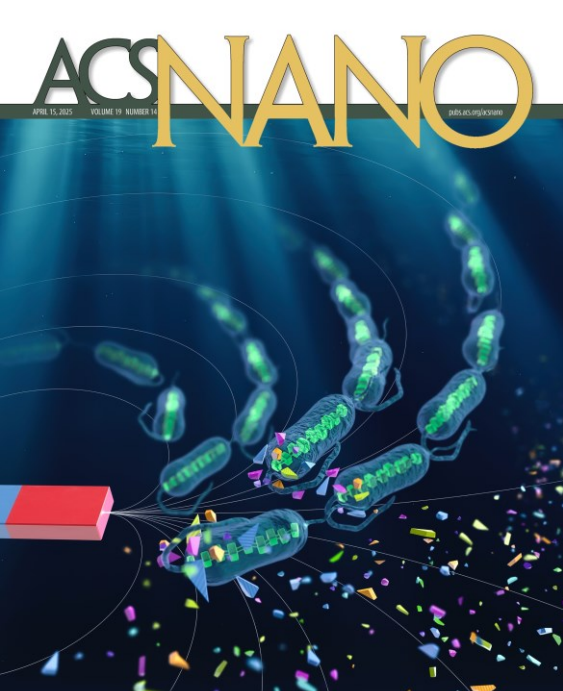
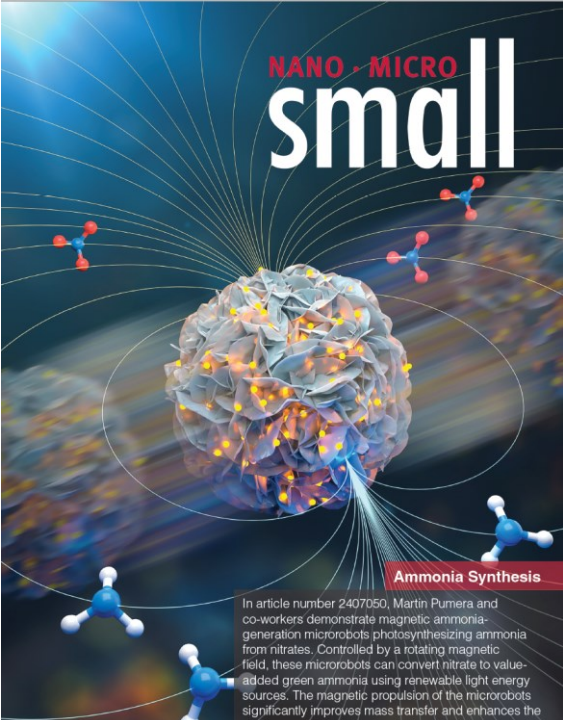
ADVANCED NANOROBOTS & MULTISCALE ROBOTICS LABORATORY

What starts here changes the world

Group Leader: Prof. Martin Pumera







RESEARCH ARTICLE

Topological Insulator Bi_2Te_3 Anode for Aqueous Aluminum-Ion Batteries: Unveiling the Role of Hydronium Ions

Puja De, Petr Lazar, Michal Otyepka, and Martin Pumera*

ADVANCED SCIENCE
www.advancedscience.com

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Chem Soc Rev

REVIEW ARTICLE

Advanced materials for micro/nanorobotics†

Jeonghyo Kim, ^{1a} Paula Mayorga-Burrezo, ^{1b} Su-Jin Song, ^{1c} Carmen C. Mayorga-Martinez, ² Mariana Medina-Sánchez, ^{cd} Salvador Pané ^{1g} and Martin Pumera ^{1b}

ROYAL SOCIETY OF CHEMISTRY

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Cite this: Chem. Soc. Rev., 2024, 53, 9190

Current Projects: 90 M CZK



FUNDING

1,394,000 €

2,000,000 €



890,000 €

AZV



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CZECH HEALTH
RESEARCH COUNCIL

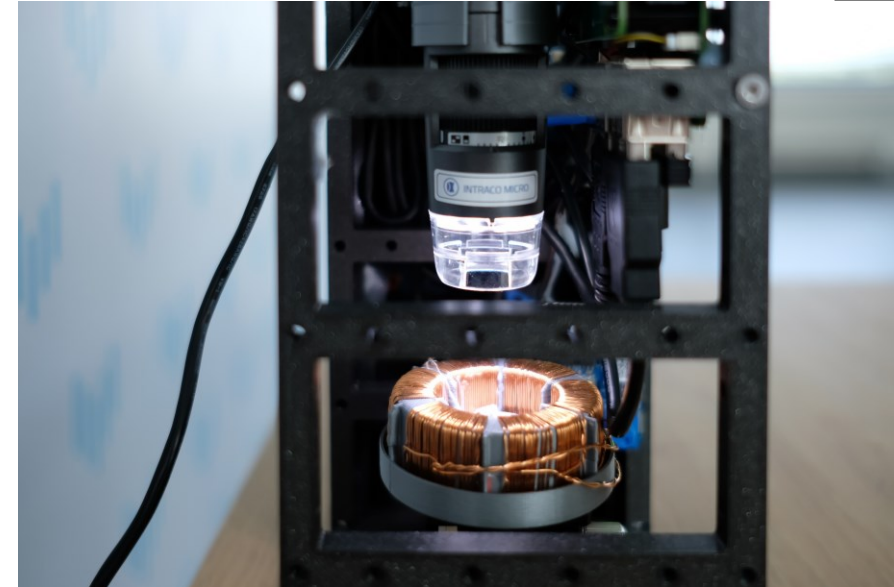
200,000 €



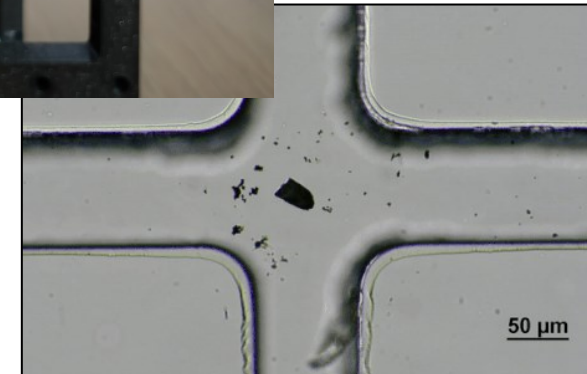
Current Projects- NANOROBOTS in SPACE



Lab-Scale System



**Satellite-Scale
Compact System**

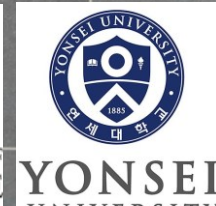


*It's not about money.
It's about the people you have,
how you're led,
and how much you get it.*



Looking for new PhD students & Postdocs...

& Collaborators





The future of nanorobots in space

