

Kaori Sugihara  
Date of birth: 25.07.1983  
Married with two children (*maternity break in 2015 and 2018*)  
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#### RESEARCH POSITIONS

2023 –	Associate Professor	Institute of Industrial Science, The University of Tokyo, Japan
2020 – 2023	Lecturer	Institute of Industrial Science, The University of Tokyo, Japan
2014 – 2020	Tenure-track Assistant Professor	Department of Physical Chemistry, University of Geneva, Geneva, Switzerland
2012 – 2014	Postdoctoral Researcher (Prof. Joachim P. Spatz)	Max Planck Institute for Intelligent Systems, Stuttgart, Germany

#### EDUCATION

2008 – 2012	Dr of Sciences	ETH Zurich (Prof. Janos Vörös)
2006 – 2008	MEng in Applied Physics	The University of Tokyo
2002 – 2006	BSc in Physics	Keio University

#### SELECTED PRIZES AND AWARDS (11)

2022	The Young Scientists' Award, The Commendation for Science and Technology by MEXT	
2022	The Award for Brilliant Female Researchers (The JST President Award)	
2013	Humboldt Research Fellowship for Postdoctoral Researchers	
2012	ETH Medal	
2012	Chorafas-Prize 2012	

#### SELECTED FUNDING

Mask Charger	PI	NEDO	2022 – 2023	10,000,000 JPY
Develop antimicrobial agents	PI	JST FOREST	2022 – 2024	20,000,000 JPY
Nanomechanochromism	PI	SNSF	2020 – 2023	316,731 CHF
Human stefin B	PI	COST-SNSF	2020 – 2023	319,961 CHF
Mechanosensitive membranes	PI	SNSF	2016 – 2019	204,744 CHF
Total				Over 4 Million USD (as PI 2.4 Million USD)

#### INVITED SEMINARS AND TALKS (40)

2022	Bioanalytical Sensors Gordon Research Conference, Newport, USA
2019	Campus Straubing, Technical University of Munich (TUM)
2019	EPFL, Institute of Chemistry and Chemical Engineering
2015	Imperial College London, Department of Bioengineering

#### SELECTED PEER-REVIEWED ORIGINAL ARTICLES (35)

- Quantitative and anisotropic mechanochromism of polydiacetylene at nanoscale  
Juhasz, L.; Ortuso, D. R.; **Sugihara, K.\***  
[Nano Letters 2021, 21 \(1\), 543-549.](#)
- Gold nanowire fabrication with surface-attached lipid nanotube templates  
Jajcevic, K.; Chami, M.; **Sugihara, K.\***  
[Small 2016, 12 \(35\), 4830-4836.](#)
- Directed self-assembly of lipid nanotubes from inverted hexagonal structures  
**Sugihara, K.\***; Chami, M.; Derenyi, I.; Voros, J.; Zambelli, T.  
[ACS nano 2012, 6 \(8\), 6626-32.](#)
- A gigaseal obtained with a self-assembled long-lifetime lipid bilayer on a single polyelectrolyte multilayer-filled nanopore  
**Sugihara, K.**; Vörös, J.; Zambelli, T.  
[ACS nano 2010, 4 \(9\), 5047-5054.](#)