Curriculum vitae

Sifan Yin, Ph.D.

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Research Experience	
Oct 2025 – present	**Marie Skłodowska-Curie Postdoctoral Fellow** in Biophysics Max Planck Institute for the Physics of Complex Systems, Dresden, DE Supervisor: Prof. Frank Jülicher
May 2024 – Sept 2025	**Postdoctoral researcher** in Biophysics Max Planck Institute for the Physics of Complex Systems, Dresden, DE Supervisor: Prof. Frank Jülicher
May 2022 – April 2024	**Postdoctoral researcher** in Applied Mathematics Harvard University, Cambridge, US Supervisor: Prof. L. Mahadevan
Aug 2016 – Jan 2022	**Research assistant** in Mechanics Tsinghua University, Beijing, CN Supervisor: Prof. Xi-Qiao Feng
Sept 2019 – March 2020	**Research assistant** in Applied Mathematics Harvard University, Cambridge, US Supervisor: Prof. L. Mahadevan
June 2015 – Sept 2015	**Research assistant** in Mechanical Engineering Georgia Institute of Technology, Atlanta, US Supervisor: Prof. Hang Qi

Education	
Aug 2016 – Jan 2022	**PhD** in Mechanics, Tsinghua University, Beijing, CN Thesis: “Bio-chemo-mechanical theory of active matter” Supervisor: Prof. Xi-Qiao Feng

Aug 2012 – July 2016	**Bachelor** in Mechanics Tsinghua University, Beijing, CN Thesis: "Surface wrinkling of anisotropic films bonded on a compliant substrate" Supervisor: Prof. Xi-Qiao Feng

Fellowships/Scholarships and Awards

July 2025	Humboldt Research Fellowship for Postdocs, Alexander von Humboldt Foundation, Germany (Awarded, respectfully declined)
Feb 2025	Marie Skłodowska-Curie Action (MSCA) Postdoctoral fellowship, European Research Council (ERC)
Nov 2024	Outstanding PhD Dissertation Award (awarded to 10 dissertations annually across China) Chinese Society of Theoretical and Applied Mechanics, CN
May 2022	Excellent PhD Thesis Award, Tsinghua University, CN
Sept 2019	Exchange PhD student Scholarship, China Scholarship Council, CN
Oct 2018	IHI fellowship, Ishikawajima-Harima Heavy Industries Co., Ltd. JP
June 2016	Excellent Bachelor Thesis Award, Tsinghua University, CN
Oct 2013/2014/2015	Academic Excellence Scholarship, Tsinghua University, CN

Conferences

01/2025	Invited talk, "The developmental mechanics of divergent buckling patterns in the chick gut", Circle Meeting, Lisbon, Portugal
08/2023	Contributed poster, "Three-dimensional chiral morphodynamics of active chemomechanical shells", Gorden Research Conference on Soft and Condensed Matter Physics, Colby-Sawyer College, NH, USA
02/2023	Contributed poster, "Contractility-induced phase separation in active solids", Biohysics of Organoids Workshop, Princeton University, NJ, USA
09/2022	Invited talk, "Bio-chemo-mechanical theory of active matter", MIT Physics of Living Matter Special Talk Series, Cambridge, USA
11/2022	Invited talk, "Three-dimensional chiral morphodynamics of active chemomechanical shells", Chinese Congress of Theoretical and Applied Mechanics, Chengdu, CN(online)
05/2021	Invited talk, "Bio-chemo-mechanical theory of active shells", Postgraduate Academic Forum. Beijing, CN

08/2019	Contributed talk, “Bio-chemo-mechanical modeling of growing biological tissues: Finite element method”, The Chinese Congress of Biomechanics. Hangzhou, China

Teaching Experience

Spring, 2023	Teaching assistant Course APMTH230, “Active Matter”, Harvard University,
Spring, 2019	Teaching assistant Course “Solid Mechanics”, Tsinghua University
Fall, 2018; Fall, 2017	Teaching assistant Course “Theory of Elasticity”, Tsinghua University

Supervision Experience

Spring, 2024	Co-supervise a graduate student (Tian-Ze Gui, Tsinghua Universty) in the project “ Growth-induced helical buckling of blood vessels ”
Fall, 2023	Co-supervise a graduate student (Wenhui Tang, MIT) in the project “Collective cell dynamics”
Summer, 2023	Supervise an undergraduate student (Libby Min, Harvard) in the project “Physics-informed machine learning of growth-induced surface buckling”
Summer, 2017	Supervise an undergraduate student (Xiao-Han Zhang, Tsinghua) in the project “Surface wrinkling-regulated electrical conductivity of thin films”