

Session Program

7-11 Sept 2026



Free Boundary Problems 2026

Free Boundaries in Biology

Humboldt Universität zu Berlin
Humboldt-Universität zu Berlin Unter den Linden 6 10099 Berlin

Thursday 10 September

14:00

Free Boundaries in Biology: MS-10-1

Session |**Location:** HU (Main Building), Main building/Floor 1-Room 2094 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |**Convener:** Charles Elbar

14:00-14:30

Local well-posedness of a model for fluidic elastic membranes

Speaker

Helmut Abels

14:30-15:00

Asymptotic problems for the Keller-Segel system with density cut-off

Speaker

Mingyue Zhang

15:00-15:30

Two-phase flows with bulk-surface interaction in an evolving domain with applications to cell biology

Speaker

Patrik Knopf

15:30-16:00

Curvature Driven Interface Evolution: Gradient Flow Structures and Stability

Speaker

Sebastian Hensel

16:00

Friday 11 September

09:00

Free Boundaries in Biology: MS-10-2

Session | **Location:** HU (Main Building), Main Building/Floor 1-Room 2091 - Lecture Hall | **Convener:** Andrea Poiatti

09:00–09:30

The elastica functional as the critical Gamma-limit of the screened Gamow model

Speaker

Theresa Simon

09:30–10:00

On a viscoelastic Mullins-Sekerka system

Speaker

Jonas Haselböck

10:00–10:30

Interface dynamics in viscoelastic phase separation

Speaker

Katharina Hopf

10:30–11:00

On Cahn-Hilliard-Keller-Segel type models in biology

Speaker

Elisabetta Rocca

11:00