



MAKING WAVES: RHYTHMS, PATTERNS, FORCES

7-11 February 2022

We are pleased to announce the Scientist in Residence (SiR) Programme **Making Waves: Rhythms, Patterns, Forces**. Preparatory activities scheduled in the Autumn 2021 will lead to the Making Waves Hackathon (7-11 February 2022).

AT A GLANCE

- SiR is the first UAL-wide programme which builds on a 4-year ongoing strategic partnership between Central Saint Martins, UAL and Tokyo Institute of Technology, channelled through the newly established transdisciplinary research group **STADHI** (Science & Technology + Art & Design Hybrid Innovation) based at Tokyo Institute of Technology. STADHI is a platform supported by the [World Research Hub Initiative \(WRHI\)](#) at Tokyo Institute of Technology. Further information on STADHI [here](#).
- A collaboration between University of the Arts London (UAL) and Tokyo Institute of Technology, SiR offers UAL postgraduate students from any discipline the opportunity to collaborate with two leading scientists from Japan and the UK, engage with their cutting-edge research and experiment with transdisciplinarity in action through hybrid methods and hacking practices.
- The programme focuses on waves, rhythms, patterns, and forces encompassing DNA origami, life sciences and nanoscale processes. SiR will culminate in a public symposium, consolidating UAL's role at the forefront of transformative and innovative education and showcasing inspiring transdisciplinary work between scientific and art and design practices.

SiR TEAM

- [Professor Masahiko Hara](#) (Scientist in Residence) School of Materials and Chemical Technology, Tokyo Institute of Technology
- [Professor Kayoko Nohara](#) (Social Scientist in Residence), School of Environment and Society, Tokyo Institute of Technology
- [Dr Thomas Iskratsch](#) (Scientist in Residence) School of Engineering and Material Sciences, Queen Mary University of London.
- [Heather Barnett](#), Pathway Leader, MA Art & Science, Central Saint Martins. WRHI Specially Appointed Professor
- [Dr Betti Marenko](#), Reader in Design and Techno-Digital Futures, Central Saint Martins. WRHI Specially Appointed Professor
- Dr Jo Wheeler, Head of International Partnerships, Central Saint Martins

MILESTONES

Friday 1st October 2021: Launch of the UAL STADHI webpage

- Presenting SiR research themes, outputs and activities in detail
- Showcasing mini-documentary and social media video teaser about SiR ambition and aims
- Launch of UAL-wide signup to mailing list for information on forthcoming events
- Launch of UAL-wide call to recruit around 100 postgraduate students for the November sessions

Wednesday 17 & Wednesday 24 November: Online Taster Sessions with the SiR team (9am-11am GMT)

A series of online sessions for interested UAL postgraduate students

- Introducing SiR themes, research methods, aims and the trans-national SiR team members
- Assigning mini-hack projects to students to identify selected participants for the Making Waves Hackathon (February 2022)

Tuesday 30 November: Deadline for selection process to the Making Waves Hackathon

- Interested students to submit mini-portfolio and statement of interest/motivation letter

Wednesday 15 December: Participants to the Making Waves Hackathon announced

- 24 UAL students will be selected by the SiR team and evenly distributed across UAL
- SiR will be free to students and include a small materials budget.

Monday 7 to Friday 11 February 2022: One-week Making Waves Hackathon (CSM Grow Lab/C303)

The Hackathon will include intensive workshops in CSM's Grow Lab (specialist bioart / biodesign facility); presentations to UAL faculty and researchers; student-facing activities, talks, and critiques; student will work in small cross-disciplinary teams. The week will conclude with the **Making Waves Public Symposium** when students will present their work alongside SiR team presentations of process insights. The symposium will be open to all and free of charge (blended mode).

EXPECTED BENEFITS FOR STUDENTS

- Opportunity to work with students from different disciplines exploring a range of approaches to research and enquiry
- Transdisciplinarity in action: creative and critical hacking of scientific research and engagement with ideas around translation / transversality across disciplines, language and cultures
- Unique scientific perspective for an Art and Design ecosystem

FURTHER INFO

- Read [here](#) the story and testimonials of students who took part in the 2019 SiR Hacking Hearts (CSM)
- Read [here](#) about the UAL partnership with Tokyo Institute of Technology

CONTACT

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