



B CUBE - Center for Molecular Bioengineering
University of Dresden
Tatzberg 41, 01307 Dresden - Germany
Public transport stations: Trinitatisplatz (bus) / Neubertstrasse (tram)
[How to get there?](#)

Thursday

NOV.4

Dresden

**ESRS PRESENTATIONS -
SCIENTIFIC PUBLISHING -
GRANT WRITING**



Restricted to ArtMoMa members

09:00 - 10:00

Scientific publishing: how to write and publish a good paper?
Dr. Barbara Böck (Wiley-VCH)

10:00 - 11:00

Flash presentations - session 1
Presentations by PhD students of their research projects

11:00 - 11:30

Coffee break

11:30 - 12:45

Flash presentations - session 2
Presentations by PhD students of their research projects

12:45 - 14:00

Lunch break

14:00 - 16:00

Flash presentations - session 3
Presentations by PhD students of their research projects

16:00 - 16:30

Coffee break

16:30 - 17:30

Grant writing essentials
Tobias Bauer (Achieverlab) - ArtMoMa External Advisory Board Member

17:30 - 18:00

Best presentation award - sponsored by Wiley-VCH and Nature





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Friday
NOV. 5
Dresden & online

MID-TERM REVIEW - OPEN QUESTIONS SESSION



▶▶▶ Restricted to ArtMoMa members

MID-TERM REVIEW

| | | |
|----------------------|---|-----------------------------|
| 08:30 - 08:35 | Introduction | |
| 08:35 - 09:05 | Tour de table | |
| 09:05 - 09:25 | REA Project officer presentation | |
| 09:25 - 10:10 | Coordinator's report | |
| 10:10 - 10:30 | Coffee break | |
| 10:10 - 10:30 | Restricted session between the REA Project office and the coordinator | / Coordinator & REA PO only |
| 10:30 - 11:30 | Restricted session between the REA Project office and the fellows | / Fellows & REA PO only |
| 11:30 - 12:00 | Feedback and open discussion | |
| 12:00 | End of the mid-term meeting | |
| 12:00 - 13:00 | Lunch break | |

OPEN QUESTIONS SESSION

13:00 - 15:00

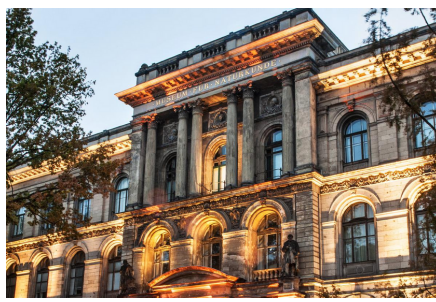
Open questions - individual sessions
Upon individual appointments: timeslot between 13:00 and 15:00 to be defined prior to the meeting [via this link](#)

ESRS - TEAM BUILDING

14:00 - 17:00

Treasure Hunt Dresden
Meeting point: in front of Frauenkirche at the Old town.





Museum für Naturkunde Berlin

Invalidenstr. 43

10115 Berlin - Germany

Public transport: Station Naturkundemuseum

[How to get there?](#)

Saturday

NOV. 6

Berlin & online

BERLIN SCIENCE WEEK

<https://berlinscienceweek.com/event/molecular-machines-takeover/>

▶▶▶ Open to All

17:30 - 19:30

Molecular Machines Takeover

Have you heard the term 'molecular machines' and wondered what it was all about? How can one build machines out of molecules, and how do they work? How does nature create molecular machinery and can we mimic it? What can they be used for? During this event, these questions, and many others, will be answered by a group of fifteen young PhD students from the Marie Skłodowska Curie International Trainee Network called ArtMoMa (Artificial Molecular Machines). They will talk about how molecular machines were first developed, current trends and their own projects, and about the envisioned future of the field. The audience will have an opportunity to ask questions, but maybe you will even be asked to answer a few questions yourself!

19:45

Closure

To mark the end of this first ArtMoMa Autumn School, we will gather around a drink at the Castle bar, located 10 minutes walking distance from the Naturkunde Museum / Berlin Science Week:

THE CASTLE - BERLIN

INVALIDENSTRASSE 129

10115 BERLIN

Drinks will be at the expense of each participant



NOV. 4, 2021- DETAILED PROGRAMME -

09:00 - 10:00

Scientific publishing – how to write and publish a good paper

George Whitesides once said: "If your research does not generate papers, it might just as well not have been done. Papers provide the basis for further research!" Some difficulties lurk on the way to have results published. The presentation shows from an editor's point of view best practices, what to avoid, and how to achieve an impact.



Dr. Barbara Boeck
Editor in Chief, Wiley-VCH - Germany

10:00 - 11:00

Flash presentations - session 1

Presentations by PhD students of their research projects - session 1

Synthesis and catalysis with molecular robots

Martin Power (University of Manchester)

Autonomous chemically-driven molecular motors

María Dolores Varela López (University of Manchester)

Molecular swimmers using motor driven flagella

Maximilian Fellert (University of Groningen)

Actuation across length scales using DNA nanostructures

Sing-Ming Chan (University of Oxford)

11:00 - 11:30

COFFEE BREAK



11:30 - 12:45 Flash presentations - session 2

Optimisation by selection of oligonucleotide-based synthetic molecular machinery

Qian Zhang (University of Oxford)

Design, development and optimisation of light-driven supramolecular motors

Brian Sachini (Italian National Research Council - CNR)

Dual light control of an integrated motor/modulator-based system

Alessandro Cavasso (French National Centre for Scientific Research - CNRS)

Macroscopic Oscillations of an integrated motor/dissipator-based system

Dania Daou (French National Centre for Scientific Research - CNRS)

Cooperative effects in biomolecular transport systems based on coupled motor

Rachele Catalano (University of Dresden)

12:45 - 14:00

LUNCH BREAK

14:00 - 16:00 Flash presentations - session 3

Integration of molecular and supramolecular machines with lipid bilayers

Nina Bukhtiarova (Italian National Research Council - CNR)

Study of dynamic covalent molecular motors at surfaces and confined spaces

Philippe Schiel (University of Strasbourg)

Motional and constitutional molecular dynamics in self-healing polymer materials

Maria Jesus Aguilera (University of Strasbourg)

Molecular motor-based nanoscale energy storage system

Roza Weber (University of Groningen)

Application of motor proteins and microtubules as molecular explorers

Henry Carey-Morgan (University of Dresden)

16:00 - 16:30

COFFEE BREAK

16:30 - 17:30

Grant Writing Essentials



Grant writing and project development skills are essential to succeed in academia and industry. The lecture focuses on self-driven grant applications at the European level.

Tobias Bauer

Achieverlab - ArtMoMa External Advisory Board Member

17:30 - 18:00

Best presentation award

NOV. 5, 2021- DETAILED PROGRAMME -

MID-TERM REVIEW

Introduction

08:30 - 08:35

Short introduction by the REA Project Officer and the Project Coordinator on the purpose of the meeting

Tour de table

08:35 - 09:05

All scientists-in-charge should briefly present their research team and describe their role within the network. Introduction of the Partner Organisations

REA Project officer presentation

09:05 - 09:25

Presentation on the monitoring of project implementation, reporting and purpose of the mid-term check

Coordinator's report

09:25 - 10:10

Presentation of the Network and the progress

10:10 - 10:30

Coffee break

10:10 - 10:30

Restricted session between the REA Project office and the coordinator

Meeting between coordinator and Project Officer to discuss any issue.

/ Coordinator &
REA PO only

10:30 - 11:30

Restricted session between the REA Project office and the fellows

Discuss with the REA representative about their experiences within the Network in terms of training foreseen, supervision arrangements, progress and impact on their future careers.

/ Fellows &
REA PO only

Feedback and open discussion

11:30 - 12:00

Feedback from the REA Project Officer on the output of the network so far, on possible training areas for future exploitation or the impact on fellows' future careers development.

OPEN QUESTIONS SESSION

13:00 - 15:00

Open questions - individual sessions
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ESRS - TEAM BUILDING

14:00 - 17:00

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NOV. 6, 2021- INFORMATION -

ARTMOMA @BERLIN SCIENCE WEEK

17:30 - 19:30

Molecular Machines Takeover

BERLIN SCIENCE WEEK

1—10 NOV 2021

Do you want to take part in Berlin Science Week 2021?
Please get in touch!

 BerlinSciWeek  berlinscienceweek  BerlinSciWeek #berlinscienceweek



Health and safety instructions

The following protection and hygiene regulations of the museum apply to contain the corona virus:

- › Participation in the event is only possible for persons who are vaccinated, recovered or can present a negative test confirmed on the day of the event.
- › Participation in the event is only possible with a medical face mask.
- › Participants who have had contact with a person suffering from COVID-19 in the last 14 days, who are suffering from an upper respiratory tract infection themselves or who feel ill are not permitted to take part in the event.
- › A minimum distance of 1.5 from other people must be maintained throughout the time spent in the museum.
- › Participants are always asked to avoid touching (e.g. shaking hands, hugging, touching information boards, displays, surfaces).
- › Participants are always asked to avoid forming groups.
- › Participants are always asked to wash their hands regularly and thoroughly (at least 20-30 seconds) with soap and water and to disinfect if possible. Sufficient disinfectants are available in the museum.
- › Seating is provided in compliance with the appropriate spacing regulations of at least 1.5m.
- › All exhibition halls are equipped with a supply and exhaust air system (F7 filter).
- › Guest and participant data must be registered for contact tracking.

19:45

Closure

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ArtMoMa

Artificial Molecular Machines



artmoma-h2020.eu



[@artmomaH2020](https://www.facebook.com/artmomaH2020)



[@artmoma_h2020](https://twitter.com/artmoma_h2020)



[@artmoma-h2020](https://www.linkedin.com/company/artmoma-h2020)



[@artmomaH2020](https://www.youtube.com/channel/UC...)

artmoma@ics-cnrs.unistra.fr



This workshop takes place in the frame of the first ArtMoMa Autumn School. ArtMoMa is an Innovative Training Network funded by the European Union's Horizon 2020 research and innovation programme - Marie Skłodowska-Curie Actions (grant agreement No 860434).