

Events & meetings

What	When	Where	More information
KNAW Biophysics Talks: invited speakers Jennifer Lincott-Schwartz (HHMI Janelia Farms) and Maike Hansen (RU)	13 April	Online	You can watch the seminar and tutorial by: • Live streaming on the Youtube channel BioPhysicsNL • Via Zoom with this link. Use passcode: +=y6VU If you would like to participate in the discussion with the speaker/the tutorial you can register here. More info: here
FYSICA	16 April	Online	https://www.fysica.nl/
Life2021	26, 27 and 28 May 2021 Abstract submission deadlines: - posters: 8 April	Online	NWO Life2021 – call for abstracts is open www.nwolife.nl Keep updated on the latest news and deadlines via the Life Newsletter
Physics of Life Open Platform meeting	31 May 2021 15:00-16:00	Online, Zoom	Following up on the group leader lunch meeting (6 Oct 2020, DutchBiophysics). The aim is to discuss science policy topics that are important for the Physics of Life community.
International European Light Microscopy Initiative Meeting	22-25 June 2021	Online	https://www.elmi2021.org/
DutchBiophysics 2021	11 and 12 October 2021	To be determined	https://www.nwo.nl/en/meetings/dutchbiophysics

New appointments, grants, prizes, and other news.

- ERC consolidator grant for Ilja Voets¹. The European Research Council has awarded Ilja Voets with a Consolidator Grant to research the synthetic materials, inspired by antifreeze proteins, for application as cryopreservants. The study of how antifreeze proteins are able to inhibit ice growth, allowing organisms to survive subzero environment, has been ongoing for several years. Now, with the new funding, Prof. Voets aims to emulate their properties using designer polyamides, with the ultimate goals of storing tissues and organs for longer periods of time at low temperatures, without frost damage².
- prof. dr. Elisabetta Pallante, prof. dr. Michel Versluis and dr. Tim Peeters have joined the Round Table Physics. Prof. dr. Detlef Lohse, prof. dr. Lieven Vandersypen, and dr. Frank Schuurmans have resigned.
- 5 July 2021: submission deadline for the BioPM Thesis Prize 2021. The award ceremony will take place at DutchBiophysics. More information: <https://www.nwo.nl/en/meetings/dutchbiophysics> (section: awards).
- The scientific programme committee of DutchBiophysics has implemented six new themes and has eight confirmed speakers for DutchBiophysics 2021. More information can be found [here](#).
- Professor Marcel Levi is the new chair of the Dutch Research Council (1 April 2021). He succeeds Stan Gielen, who is retiring.

Granted projects NWO

OPEN COMPETITION ENW KLEIN³

Designing a membrane-bound liquid cortex for shaping synthetic cells

Dr Siddharth Deshpande (Wageningen University & Research)

In this proposal, artificial cells will be developed that can change shape and show primitive forms of movement. With the aid of microfluidics, a hybrid system will be designed comprising a deformable membrane, phase-separated droplets and force-generating cytoskeletal polymers. These components will be used to make a minimal cell cortex that can actively exert forces and bring about changes in shape or movement through narrow channels. This research will provide insight into the role of phase separation in cell morphogenesis and bring us a step closer to realizing a synthetic cell.

Synthetic affinity-based probes for proteome-wide identification of poly(ADP-ribosyl)-binding proteins

Prof. Dmitri Filippov & Prof. Michiel Vermeulen (Leiden University/Radboud University)

Adenosine diphosphate ribosylation is a common post-translational protein modification that is involved in various pathological processes such as cancer, age-related diseases and viral infections. It is important that we know what proteins can interact with adenosine diphosphate ribose chains if we are to design better medicines. In this study, different molecules that contain adenosine diphosphate ribose will be synthesized and subsequently used for interaction tests in extracts from human cells. Follow-up tests will also be carried out to identify proteins that bind with adenosine diphosphate ribose and that play a role in the cellular response to damage to DNA.

¹ <https://erc.europa.eu/sites/default/files/document/file/erc-2020-cog-results-all-domains.pdf>

² <https://www.voetslab.nl/news/erc-consolidator-grant-for-bioinspired-materials-for-cryopreservation/>

³ <https://www.nwo.nl/en/news/sixteen-innovative-research-projects-launched-through-science-klein>

NWO calls

Instrument	Deadline	Phase	Domain
Open competition Domain Science - XS	6-4-2021	Full proposals	Science
Vici 2021	29-4-2021	Pre-proposals	NWO
	21-9-2021	Full proposals	
Rubicon	11-5-2021	Full proposals	NWO
ENW Veni 2021	20-5-2021	Full proposals	Science
Athena Award	15-6-2021	Nomination	Science
Diversity Initiative Award	15-6-2021	Nomination	Science
Communication Initiative Award	15-6-2021	Nomination	Science
Stairway to impact	15-6-2021	Nomination	Science
Team Science Award	15-6-2021	Nomination	Science
Open competition Domain Science – M	Continuous submission until 31-7-2021	Full proposals	Science
KIC E&D: Energy transition as a socio-technical challenge	11-5-2021	Pre-proposals	KIC
	2-11-2021	Full proposals	
Open Science Fund 2020/2021	18-5-2021	Full proposals	NWO
KIC: Demand-Driven Partnerships for Consortia	8-4-2021	Statement of suitability	KIC
	20-5-2021	Pre-proposals	
NWO Open Competition Domain Science - XL	20-5-2021	Pre-proposals	Science
	25-1-2022	Full proposals	
KIC: Long Term Programs	26-1-2021	Letter of intent	KIC
	27-5-2021	Pre-proposals	
	1-9-2022	Full proposals	
KIC E&D: Circularity	26-1-2021	Pre-proposals	KIC
	31-8-2021	Full proposals	
KIC G&Z: Lifestyle and living environment	26-1-2021	Pre-proposals	KIC
	31-8-2021	Full proposals	
KIC: Key Technologies	19-1-2021	Pre-proposals	KIC
	28-9-2021	Full proposals	
NWA-ORC 2020/21	1-10-2020	Letter of intent	NWA
	14-1-2021	Pre-proposals	
	7-10-2021	Full proposals	
Open Technology Programme	Continuous submission until 31-12-2021	Full proposals	AES
Women in STEM	Continuous submission until 31-12-2021	Full proposals	Science

The full list can be found [here](#).

For questions, ideas, announcements, new appointments, grants, and other news items, please contact:

Dr. Naomi Chrispijn, secretary of the advisory committee for the Physics of Life research community
+31 (0)70 349 4063, ResearchCommunity-PoL@nwo.nl