

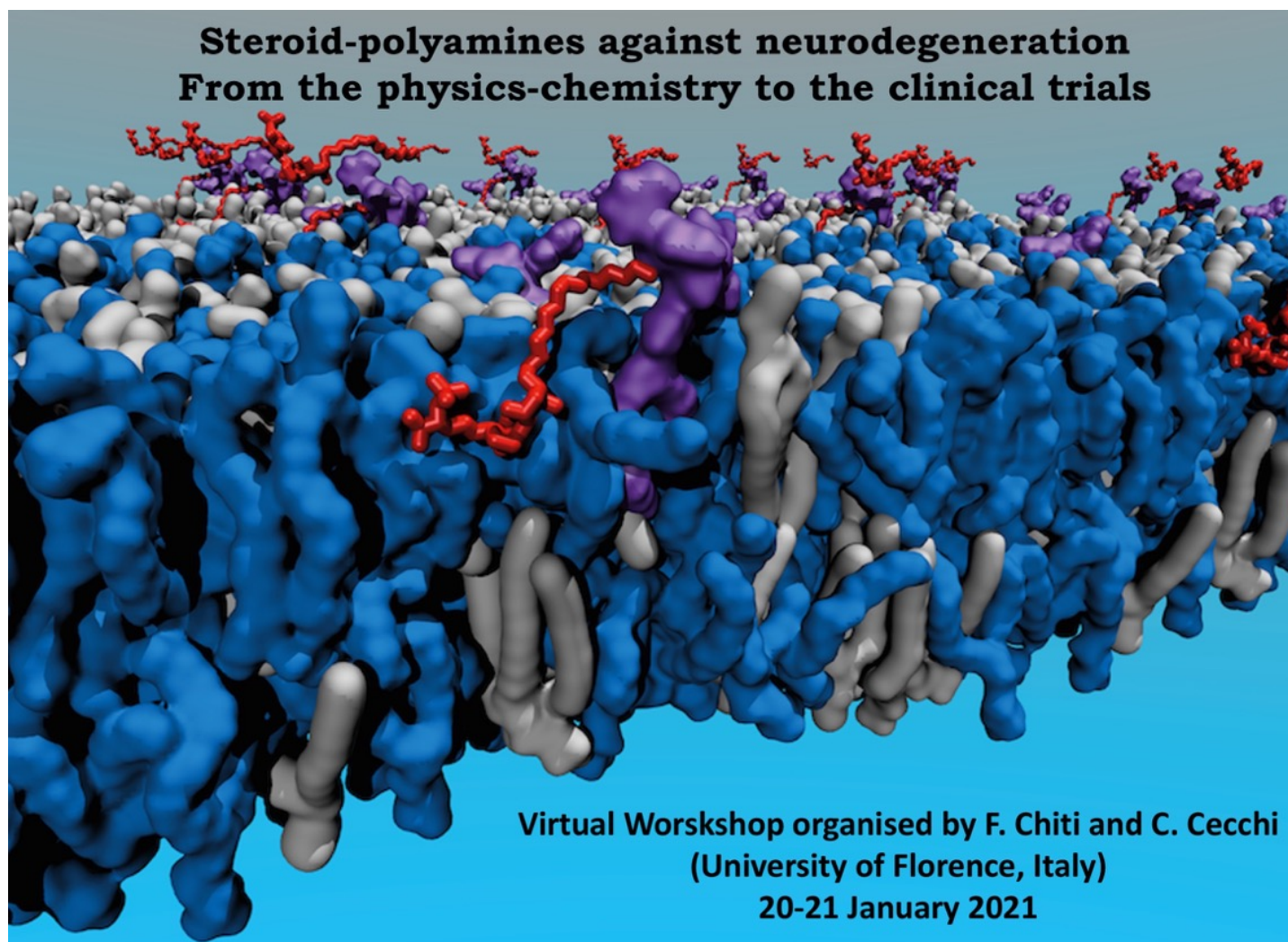


Image provided by S. Muscat and G. Grasso at IDSIA (Switzerland)

**The Workshop will be entirely on a Google Meet Platform on 20-21 January 2021,
from 9 am to 1 pm on both days (US East time), corresponding to 3-7 pm European time and 2-6 pm GMT.**
To register, please send an e-mail to fabrizio.chiti@unifi.it

Detailed Programme

Day 1, 20 January*

09.00-09.10	<u>Fabrizio Chiti</u> (University of Florence, Italy) <i>Opening Welcome and Introduction to the workshop</i>
09.10-09.40	<u>Thomas P. Sakmar</u> (Rockefeller University, US) <i>Biomarker detection and therapeutic targets in Alzheimer's disease</i>
09.40-10.10	<u>Aparna Wagle Shukla</u> (University of Florida) <i>Perspective therapeutic approaches in Parkinson's disease</i>
10.10-10.50	<u>Michael Zasloff</u> (Enterin, Philadelphia, US) <i>Discovery of the aminosterol family</i>
10.50-11.10	Break
11.10-11.40	<u>Denise Barbut</u> (Enterin, Philadelphia, US) <i>ENT-01 for the treatment of Parkinson's disease</i>
11.40-12.10	<u>Ryan Limbocker</u> (West Point, US) <i>The various effects of aminosterols against neurodegeneration</i>
12.10-12.30	<u>Roberta Cascella</u> (University of Florence, Italy) <i>Trodsuquimine: a promising molecule for amyotrophic lateral sclerosis</i>
12.30-12.50	<u>Michele Perni</u> (Wren Therapeutics, UK) <i>Establishing novel drug discovery methods for neurodegeneration</i>

* All times are US East time.

Day 2, 21 January*

09.00-09.30	<u>Michele Vendruscolo</u> (University of Cambridge, UK) <i>Structure-Activity Relationship by Kinetics for Drug Discovery in Protein Misfolding Diseases</i>
09.30-10.00	<u>Carlos F. Mello</u> (Universidade Federal de Santa Maria, Brazil) <i>Polyamines facilitate memory acquisition and consolidation in healthy animals</i>
10.00-10.30	<u>Hsiao-Huei Chen</u> (University of Ottawa, Canada) <i>Targeting PTP1B with sterol polyamines to improve metabolic and neuropsychiatric disorders</i>
10.30-11.00	<u>Alexandre Stewart</u> (University of Ottawa, Canada) <i>Targeting PTP1B with sterol polyamines in mouse models of Alzheimer's disease</i>
11.00-11.20	Break
11.20-11.40	<u>Martino Calamai</u> (National Research Council, Florence, Italy) <i>Trafficking of fluorescently labeled trodsuquimine in living cells</i>
11.40-12.00	<u>Gabriella Caminati</u> (University of Florence, Italy) <i>Physical-Chemical Insight into the behaviour of trodsuquimine at the biomimetic membrane interface</i>
12.00-12.20	<u>Annalisa Relini</u> (University of Genoa, Italy) <i>Effects of trodsuquimine on the structural and mechanical properties of model neuronal membranes: insights from atomic force microscopy</i>
12.20-12.40	<u>Gianvito Grasso</u> (IDSIA, Switzerland) <i>Potential therapeutic strategies to address membrane-associated amyloid aggregation: biophysical perspective and computational challenges</i>
12.40-13.00	<u>Silvia Errico</u> (University of Florence, Italy) <i>Interaction and incorporation of trodsuquimine in biological membranes: a fluorescence approach</i>
13.00-13.05	<u>Cristina Cecchi</u> (University of Florence, Italy) <i>Concluding Remarks</i>

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