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UNIVERSITÀ DEGLI STUDI DI PADOVA

CONSIGLIO DEI CORSI DI STUDIO IN CHIMICA

Verbale della Seduta del 9 aprile 2019

Il giorno 9 Aprile 2019, in via telematica, si è tenuto il Consiglio aggregato dei Corsi di Studio in Chimica.

1. Proposta di conferimento della laurea honoris causa in chimica alla prof.ssa Frances Arnold.

La prof.ssa Arnold ha fornito contributi fondamentali nel campo della biochimica testimoniati dalle svariate pubblicazioni scientifiche e brevetti prodotti in questi anni. Informazioni sul CV e sui contributi scientifici da lei forniti sono riassunti qui di seguito:

Prof.ssa Frances H. Arnold – Premio Nobel per la Chimica 2018

http://fhalab.caltech.edu/?page_id=163

*Linus Pauling Professor of Chemical Engineering, Biochemistry and Bioengineering
Director, Donna and Benjamin M. Rosen Bioengineering Center Division of Chemistry and
Chemical Engineering
California Institute of Technology Pasadena, CA 91125 USA*

Nobel Lecture: <https://www.youtube.com/watch?v=6hOZ5e0g9Uo>

Frances Arnold was born in 1956 and raised in Edgewood, Pennsylvania in the United States. She studied mechanical and aerospace engineering at Princeton University. She then continued her studies at the University of California, Berkeley, where she earned a doctorate in chemical engineering in 1985. She has subsequently worked at the California Institute of Technology. She became interested in energy technology early and formed a company in 2005 to produce renewable fuels.

Evolution – the adaption of species to different Environments – has created an enormous diversity of life. Frances Arnold has used the same principles – genetic change and selection – to develop proteins that solve humankind’s chemical problems. In 1993, Arnold conducted the first directed evolution of enzymes, which are proteins that catalyze chemical reactions. The uses of her results include more environmentally friendly manufacturing of chemical substances, such as pharmaceuticals, and the production of renewable fuels.

Selected Awards and Honors (since 2000): Nobel Prize in Chemistry (2018); NAS Sackler Prize in Convergence Research (2017); Millennium Technology Prize (2016); Honorary doctorate U. Chicago (2016) and ETH Zurich (2015); National Inventors Hall of Fame (2014); Doctorate honoris causa, Stockholm University (2013); ENI Prize in Renewable and Nonconventional Energy (2013); National Medal of Technology and Innovation (2011); Charles Stark Draper Prize (2011); American Academy of Arts and Sciences (2011); Fellow, American Association for the Advancement of Science (2010); Fellow, American Academy of Microbiology (2009); National Academy of Sciences (2008); Linnaeus Lecturer, Uppsala University (2008); Cruickshank Lecturer, Gordon Research Conferences (2008); FASEB Excellence in Science Award (2007); Francis P.

Garvan-John M. Olin Medal, ACS (2005); Institute of Medicine of the National Academies (2004); David Perlman Lecture Award, ACS (2003); National Academy of Engineering (2000).

Ai componenti del CCS è stato chiesto di inviare entro le ore 12.00 del 9 aprile 2019 un'e-mail all'indirizzo ccs.chimica@unipd.it se fossero stati contrari alla proposta o se avessero voluto astenersi dal votarla. Per tutti coloro che erano favorevoli è stata applicata la regola del silenzio assenso.

Tutta l'assemblea del CCS approva la proposta con l'eccezione di un voto contrario.

Il Presidente
Prof.ssa Camilla Ferrante

