

Con il sostegno di



FONDAZIONE DI
VENEZIA



Premi Nobel in Cattedra



La cerimonia si svolgerà in lingua inglese

Si richiede conferma di partecipazione
a eventi@unive.it per il solo incontro
del 24 ottobre in Aula Baratto a Ca' Foscari

Info
Ufficio Promozione Culturale
eventi@unive.it

Photo A. Mahmoud

Martin Karplus

Venezia
22-23-24 ottobre 2018

Martin Karplus was born in Vienna, Austria, and moved with his parents and brother to the United States in 1938. He was an undergraduate at Harvard College and went to the California Institute of Technology, where he received his PhD in Chemistry under Linus Pauling in 1953. He spent two years as a postdoctoral fellow in Oxford, England, before returning to the USA to join the faculty at the University of Illinois. In 1966 he became Professor of Chemistry at Harvard University, where he continues to do research. In 1996, he also became Professeur Conventionné at the Université Louis Pasteur. He and his wife, Marci, divide their time between Cambridge, Massachusetts, and Strasbourg, France. Karplus received the 2013 Nobel Prize in Chemistry, together with Michael Levitt and Arieh Warshel, for "the development of multiscale models for complex chemical systems". He is a member of the National Academy of Sciences, the American Academy of Arts & Sciences, and a foreign member of the Netherlands Academy of Arts & Sciences and the Royal Society of London.

Karplus has contributed to many fields in physical chemistry, including chemical dynamics, quantum chemistry, and most notably, molecular dynamics simulations of biological macromolecules. He has also been influential in nuclear magnetic resonance spectroscopy, particularly to the understanding of nuclear spin-spin coupling and electron spin resonance spectroscopy. The Karplus equation describing the correlation between coupling constants and dihedral angles in proton nuclear magnetic resonance spectroscopy is named after him.

His current research is concerned primarily with the properties of molecules of biological interest. His group originated and currently coordinates the development of the CHARMM program for molecular dynamics simulations. He is a member of the International Academy of Quantum Molecular Science. He has supervised over 200 graduate students and postdoctoral researchers in his long career (since 1955) in the University of Illinois, Columbia University (1960 - 1967), and Harvard University. He is a recipient of the Christian B. Anfinsen Award, given in 2001.

Lunedì 22 ottobre 2018

ore 10.15

Auditorium Danilo Mainardi

Dorsoduro 3825/E, Venezia

First Nobel Lecture

**DEVELOPMENT OF MULTISCALE MODELS
FOR COMPLEX CHEMICAL SYSTEMS
FROM H+H₂ TO BIOMOLECULES**

Martedì 23 ottobre 2018

ore 10.15

Auditorium Danilo Mainardi

Campus Scientifico – Edificio Alfa

Via Torino, 155 – Venezia Mestre

Second Nobel Lecture

WHAT DOES THE FUTURE HOLD?

Mercoledì 24 ottobre 2018

ore 11.30

Aula Baratto Ca' Foscari

Dorsoduro 3246, Venezia

**MOTION: THE HALLMARK OF LIFE.
FROM MARSUPIALS TO MOLECULES**

**Conferimento della Ca' Foscari Honorary
Fellowship a Martin Karplus**

Saluti istituzionali

Michele Bugliesi

Rettore Università Ca' Foscari Venezia

Laudatio

Achille Giacometti

Professore di Fisica della materia condensata

Università Ca' Foscari Venezia