

"The Scientific Council for a
policy of excellence - The first
award winners pave the way"

Armağan Koçer

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Pathway in Science

◆ Undergraduate

Middle East Technical University, Dept. of Biology (Ankara/ Turkey) Graduation with Honor

◆ Ph.D.

Middle East Technical University, Dept. of Biology (Ankara/ Turkey)

- 9 months in University of Groningen, Dept. of Biochemistry (Groningen/ The Netherlands)

◆ Research Scientist / Senior Scientist

BiOMaDe Technology Foundation (Groningen/ The Netherlands)

- Team work, networking, grant writing

◆ Carrier Development Grants

Netherlands Organization of Scientific Research (NWO) VIDI
Innovational Research Incentives Scheme Grant

ERC-Ideas, European Research Council Starting Grant

The people

- ...

- ...

- George T. Robillard



Geographic mobility

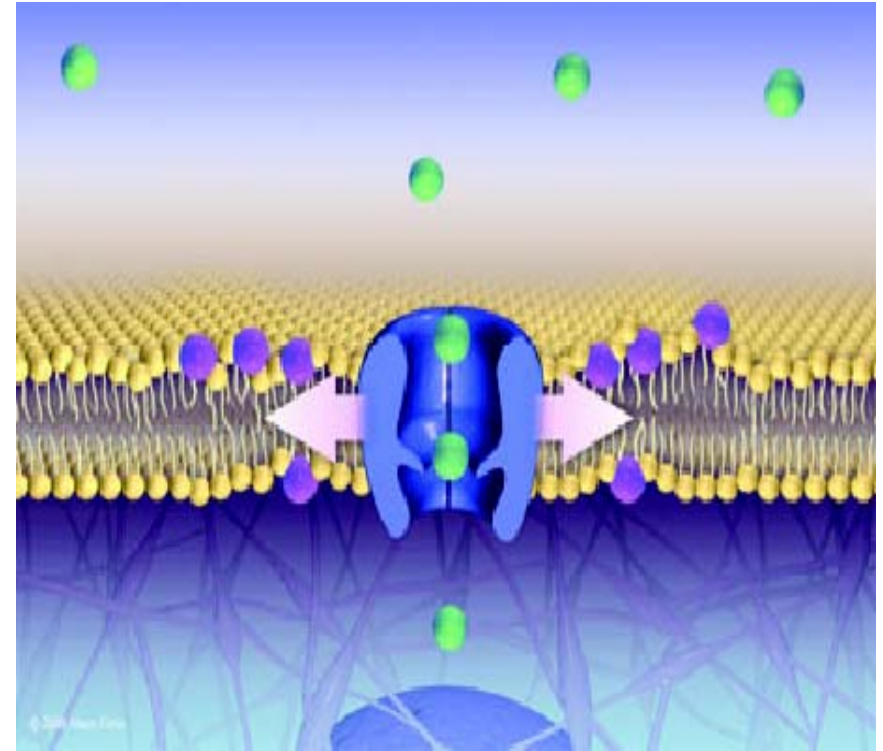
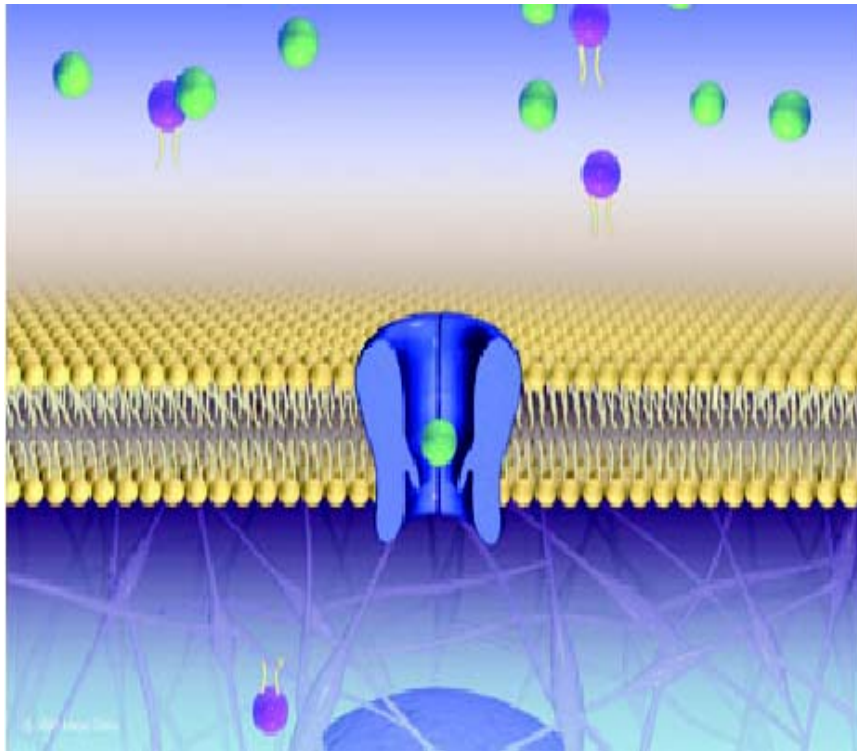
- New perspective
- New styles
- New opportunities
- New challenges

... ENRICHMENT

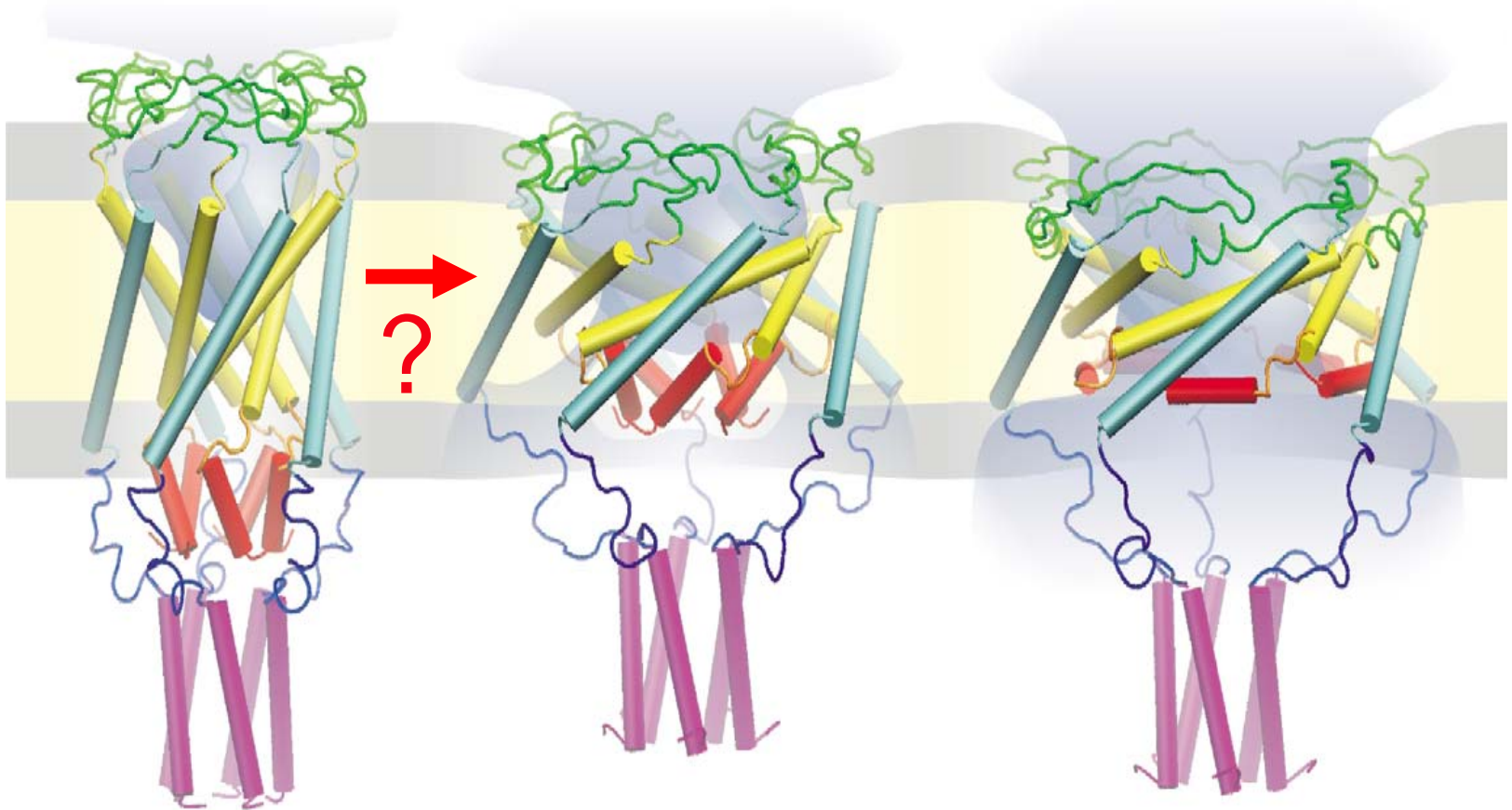
Molecular mechanism of mechanosensation



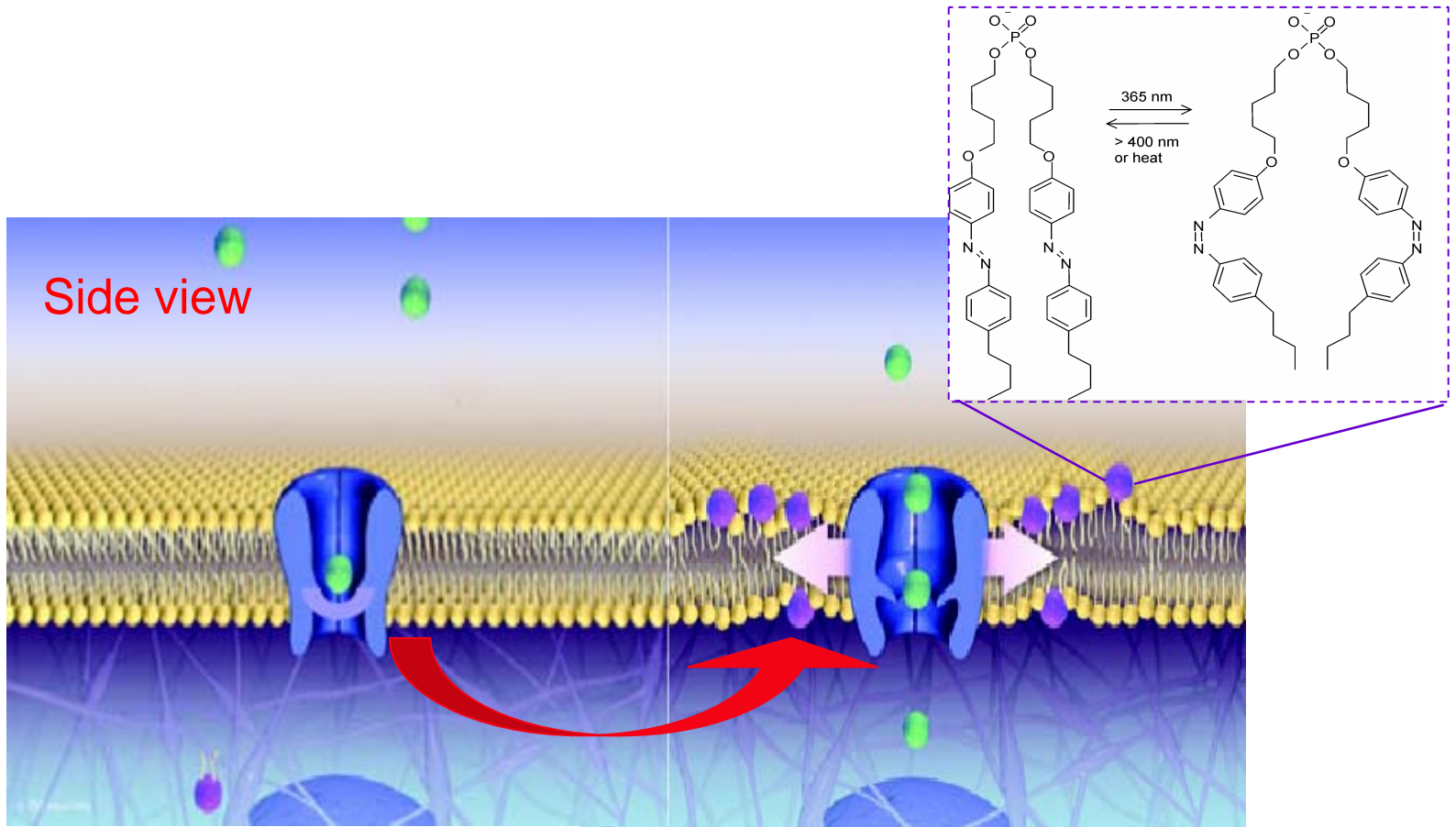
Mechano-sensitive channels



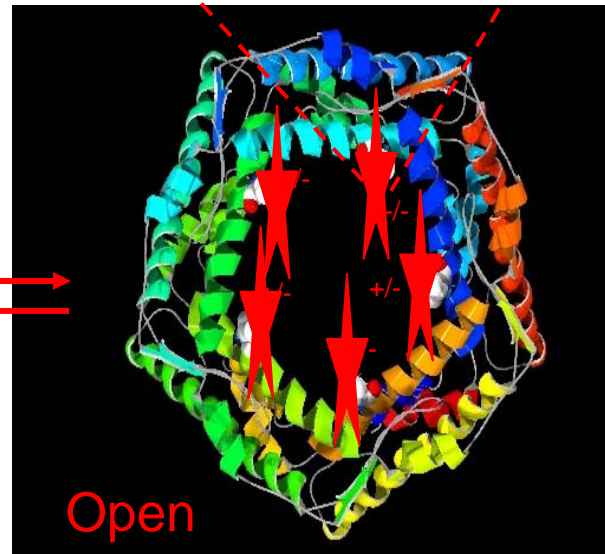
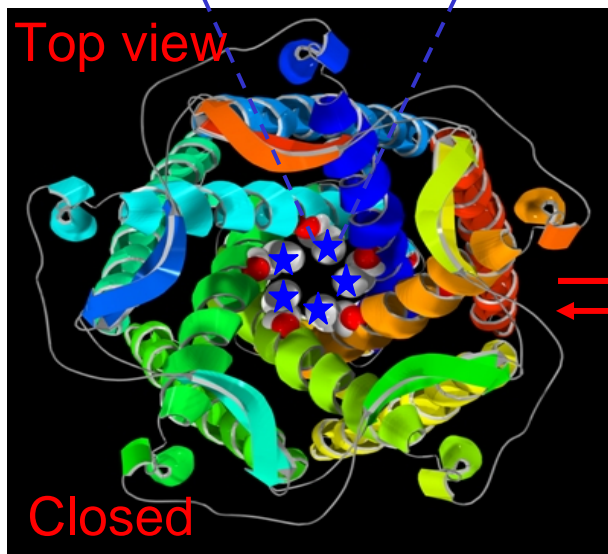
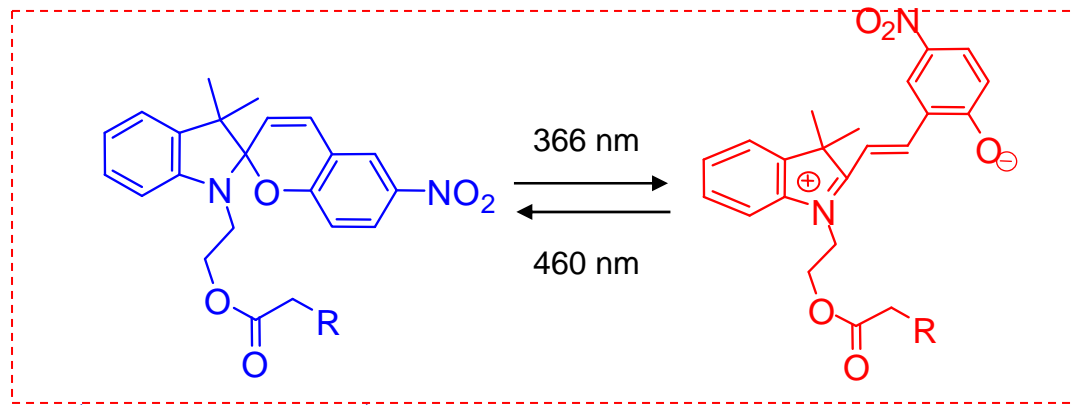
How does it work?



Channel pulled open by change in membrane tension



Channel pushed open by charge generation in pore



Impact

- Fundamental: Insights into the functioning/malfunctioning of mechanosensitive (TRP) channels in higher organisms
- Applications: drug design, triggered delivery, sensors