
Jean Wolff

born 28 January 1967 in Strasbourg, France

married, 7 children

6 rue du général RAPP 67000 Strasbourg

Professor of physics at "Classes Préparatoires" O.R.T

Cell: +33(0)666 606 600

Home: +33(0)388 362 819

Lab : +33(0)388 414 000

Jean.wolff@9online.fr



Education

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| 10/2009- | PhD in Physics at the Charles Sadron Institute, Strasbourg, France |
| 06/2009 | Master in Physics at the University of Strasbourg: Condensed Matter and Nanophysics |
| 06/1990 | Master in nuclear Physics |
| 06/1989 | Bachelor in Physics and Chemistry at the University of Strasbourg |
| 06/1985 | Baccalauréat C with Mathematics and Physics majors |

Teaching

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| 09/1998- | Teaching in Physics and Chemistry (Mechanics, Thermodynamics, Electromagnetism, Optics and Chemistry) « Classe Préparatoire aux Grandes Ecoles » "O.R.T" , Strasbourg |
| 07/1998 | Teaching Diploma: Agrégation de Physique |
| 07/1997 | Teaching Diploma: CAPES de Physique |
| 1991-1997 | Teaching in Physics and Chemistry at high school (Baccalauréat level) |

Research

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| 12/2012- | Post-doc with Professor Andelman from Tel-Aviv university and Professor Komura from Tokyo university |
| 14/06/2013 | PhD Defence day |
| 10/2009- | PhD in Physics at the Charles Sadron Institute, Strasbourg
"A theoretical approach to phase coexistence in ternary Cholesterol-Phospholipid mixtures", under the supervision |

of Carlos Marques and Fabrice Thalmann

02-06/2009 Internship at the Charles Sadron Institute, Strasbourg
"Phase separation in GUV'S of phospholipids" (Master)

Publications

"Budding transition of asymmetric two-component lipid domains", *Phys.Rev.E.*, **94**, 032406 (2016)

"Budding of domains in mixed bilayer membranes", *Phys.Rev.E.*, **91**, 012708 (2015)

"Thermodynamic Approach to Phase Coexistence in Ternary Phospholipid-Cholesterol Mixtures", *Phys.Rev.Lett.*, **106**, 128104 (2011)

A longer article with a full discussion of the model presented in the paper above, including results for several ternary mixtures as DOPC/PSM/Chol., POPC/PSM/Chol., Diphytanoyl/DPPC/chol. is in preparation

A second paper on the structure of the interface between liquid ordered and liquid disordered phases, including a quantitative comparison with line tension values find in litterature is in preparation

Present Research Interests

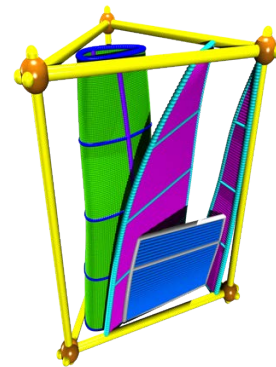
Thermodynamic Ising-like model for ternary mixture of phospholipids and cholesterol with an order parameter

Spatial inhomogeneities in phospholipid mixtures

Inclusions effects on lipid phase separation

Budding in membranes

Dynamics of phase-transition



Scientific communications and collaborations

11/2016- Collaboration with Professor Komura from Tokyo Metropolitan University and Professor Diamant from Tel-Aviv university

10/2016 **Talk** about Soft Matter at Strasbourg University (Coference"Frontiers")

- 09/2016 Conference "Biofrontiers" at Tel-Aviv university and Weizmann Institute
- 02/2016 Post-doc working in Tel-Aviv with Professor Andelman during two weeks
- 08/2015 S.F.P: **Contributed talk.**
- 07/2015 Invitation to Tokyo during 15 days at T.M.U by Professor Komura and talk about budding
- 06/2015 Talk about budding at L.P.T.M.S, Orsay.
- 03/2014 International Workshop on cell membrane (**Labex CelTisPhyBio**) in Curie Institute, Paris. **Contributed Talk.**
- 12/2013 **Talk** about PhD work in Ben-Gurion university, Beer-Sheva (invitation by Professor Rony Granek)
- 12/2013 Post-doc working in Tel-Aviv with Professor Andelman during two weeks
- 06/2013 Post-doc working in Tel-Aviv with Professor Andelman during three weeks
- 12/2012 Post-doc beginning with Professor Andelman and Professor Komura in Tel-Aviv during one week
- 07/2012 Association in solution 3: Self Assembly: From Bio- colloids to Nano-Engineering, Bifrost University, Iceland .**Poster**
- 11/2011 Jülich Soft Matter Days 2011, Bonn, Germany. **Poster**
- 09/2011 Day of the PhD student of the theoretical physics, Strasbourg, France. **Contributed Talk**
- 07/2011 Congress of the French Physical Society, Bordeaux, France. **Poster**
- 10/2010 Biophysics of Membrane Transformations, Bad Honnef, Germany.**Poster**
- 03/2010 International Student Workshop on lipid Domains, Weizmann institute of science, Rehovot, Israël. **Contributed Talk**
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Personal

Language skills: French (mother tongue)/ English (fluent)

Other Interests: Study of the Talmud, karate, judo, running, alpinism
