

Curriculum vitae

Vincent NOIREAUX

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Education / Position

2005- : **Assistant Professor** at the University of Minnesota, Physics department.
2000-05 : **Postdoc** at the Rockefeller University, New York (A. Libchaber`s lab.).
1996-00 : **PhD** at the Institute Curie, Research Department, Paris (J. Prost`s lab).
1994-95 : **Masters** in particle, nuclear and soft condensed matter physics at the University Paris 11.
1990-94 : **Undergraduate** studies in applied physics at the University of Tours, France.
1989-90 : **Baccalaureat**, France.

Research

• **Research interest :**

field : biological physics, synthetic biology, systems biology, biomimetic systems.
topics : Cell motility and actin cytoskeleton (PhD).
Gene expression in vitro and artificial cell (postdoc).
Quantum dots (postdoc).

• **Technical experience:**

Recombinant protein purification. SDS page, western blotting, Bradford assay.
Molecular biology, PCR, quantification picogreen-ribogreen.
Video Microscopy Imaging.
Preparation of in vitro bead assay systems.
Cell-free systems preparation
In vitro gene expression in cell-free systems, artificial cell, Luciferase assay.
Soft lithography (Microfluidics)

Teaching

Fall 2005 : 1301 (Introduction to physics for scientists and engineers).
Fall 2006 : 1301 (Introduction to physics for scientists and engineers).
Spring 2007 : 4911/5081 (Introduction to biopolymer physics).