

# Dimitris Missirlis

## ***Personal Information***

Name: Dimitris Missirlis  
Date of Birth: 1 August 1978  
Place of Birth: Hamilton, Canada  
Nationality & Citizenship: Greek & Canadian

## ***Education-Academic Experience***

2006-present      Postdoc Researcher  
Materials Research Laboratory  
University of California, Santa Barbara  
Santa Barbara, U.S.A.  
*Advisor* : Matthew Tirrell

**2005**              **D. Sc. in Biomedical Engineering**  
2004-2005      Graduate Student  
Integrative Biosciences Institute (IBI)  
Ecole Polytechnique Fédérale de Lausanne (EPFL)  
Lausanne, Switzerland  
*Advisor* : Jeffrey A. Hubbell

2001-2004      Graduate Student  
Institute for Biomedical Engineering  
Eidgenössische Technische Hochschule Zürich (ETHZ)  
Zurich, Switzerland  
*Advisors* : Nicola Tirelli, Jeffrey A. Hubbell

**2001**              **Diploma of Chemical Engineering (8.3/10.0)**  
1996-2001      Undergraduate Student  
University of Patras  
Department of Chemical Engineering  
*Diploma thesis advisor* : Petros Koutsoukos

## ***Further Experience***

07/2000-08/2000      Summer project at EPFL (Switzerland)  
*Project*: Arterial Wall Remodelling  
*Advisor* : N. Stergiopoulos

07/1999-08/1999      Internship at Vanderstraaten Co. & K.U. Leuven (Belgium)  
*Project*: Transfer of technology for oral implant from lab to industry  
*Advisor* : J. Helsen

1. **Thermally-induced responses in PEG-Pluronic hydrogel nanoparticles: the formation of a colloidal glass and its possible applications**, D. Missirlis, N. Tirelli, J.A. Hubbell, *Soft Matter*, in press
2. **Doxorubicin encapsulation and diffusional release from stable, polymeric, hydrogel nanoparticles**, D. Missirlis, R. Kawamura, N. Tirelli, J.A. Hubbell, (2006) *European Journal of Pharmaceutical Sciences*, 29, p.120-129
3. **Amphiphilic hydrogel nanoparticles. Preparation, characterization and preliminary assessment as new colloidal drug carriers**, D. Missirlis, N. Tirelli, J.A. Hubbell, (2005) *Langmuir*, 21, p.2605-2613
4. **Seeded growth of hydroxyapatite in simulated body fluid**, N. Spanos, D.Y. Misirlis, D.G. Kanellopoulou, P.G. Koutsoukos, (2006) *Journal of Materials Science*, 41, p.1805-1812

### *Presentations*

- **Hydrogel nanoparticles via inverse emulsion photopolymerization**, D. Missirlis, N. Tirelli, J.A. Hubbell, *Controlled Release Society Meeting, Glasgow 2003, poster*
- **Amphiphilic, PEG-based nanoparticles for the delivery of hydrophobic drugs**, D. Missirlis, N. Tirelli, J.A. Hubbell, *7<sup>th</sup> World Biomaterials Conference, Sydney 2004, oral presentation*
- **Temperature-dependent ‘gelation’ of Pluronic-based nanoparticles in water**, D. Missirlis, N. Tirelli, J.A. Hubbell, *European Polymer Conference, Gargnano (Italy) 2004, oral presentation*
- **Thermally-induced, colloidal glass formation from amphiphilic, hydrogel nanoparticles: a novel drug delivery system**, D. Missirlis, N. Tirelli, J.A. Hubbell, *6<sup>th</sup> International Symposium on Frontiers in Biomedical Polymers, Granada 2005, poster*
- **Thermally-induced responses in biocompatible, amphiphilic, hydrogel nanoparticles: the formation of a colloidal glass and possible biomaterial applications**, D. Missirlis, N. Tirelli, J.A. Hubbell, *19<sup>th</sup> European Conference of Biomaterials, Sorrento (Italy) 2005, oral presentation*

### *Languages*

**English:** *Fluent* (Cambridge Certificate of Proficiency, TOEFL: 277/300)

**French:** *Good Knowledge* (Diplome d'Etudes en Langue Francaise)

**Spanish, Italian, German:** *Basic knowledge*

**Greek:** *Mother tongue*