



Mai 11 May



Centre de recherche sur les matériaux auto-assemblés  
Centre for self-assembled chemical structures

Volume 28

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## 1) 9e Rencontre Annuelle du CRMAA 9<sup>th</sup> Annual CSACS Meeting

9:00-10:00: Inscription, déjeuner & installation des affiches  
*Registration, breakfast & poster setup*

10:00-10:05: Discours d'ouverture *Opening remarks*

10:05-10:55: **George R. Newkome**

*Supramacromolecular self-assembly via metal coordination*

11:00-11:50: **Mohan Srinivasarao**

*Photonics on Wings: Beetles and Butterflies*

11:50-12:00: Photo de groupe *Group picture*

12:00-14:30: Lunch et session d'affichage *Lunch & poster session*

13:00-14:00: Réunion des membres *Member meeting*

14:30-15:20: **Shan Zou**

*Direct correlation of structures and nanomechanical properties of supported lipid bilayers*

15:20-15:40: Pause Café *Coffee break*

15:40-16:30: **Luis Echegoyen**

*Buckyball Maracas: Exploring the Inside and Outside of Endohedral Fullerenes*

16:30-16:40:

Le discours de clôture et l'annonce de meilleur article du CRMAA 2010  
*Closing remarks & announcement of the best CSACS paper 2010*

16:40-19:00: Continuation de la séance d'affichage et cocktail  
*Continuation of poster session & cocktail*

Pour plus d'info et Inscription *For more details and Registration*

<http://csacs.concordia.ca/fr/>

<http://csacs.concordia.ca/en/>



New Residence Hall

McGill

3625, Avenue du Parc



## 2) Personnel du CRMAA/CSACS staff Mohini Ramkaran: AFM



**Mohini Ramkaran**

Mohini, ancienne élève du CRMAA, a obtenu sa M.Sc. en chimie (2010) de l'Université de Montréal, sous la direction d'Antonella Badia. Elle travaille maintenant (depuis mars 2011) en tant qu'assistante de recherche AFM dans le département de chimie de l'Université McGill.

Mohini, former CSACS student, obtained her MSc (2010) from U. of M. under the direction of Antonella Badia. She now works (since March 2011) as a AFM Research Assistant in the Department of Chemistry at McGill University.

Assistante de recherche en AFM, Département de chimie, Université McGill  
AFM Research Assistant, Department of Chemistry, McGill University

**Au cours** de ses études supérieures à l'Université de Montréal, Mohini a travaillé sur la caractérisation et l'étude des propriétés physiques des couches minces lipidiques en utilisant l'AFM. En outre, elle a travaillé avec le Laboratoire de recherche sur les couches minces à Université de Montréal afin de caractériser une variété d'échantillons provenant du milieu universitaire et de l'industrie en utilisant l'AFM. Son expérience comprend le mode de « Tapping » et le mode de contact dans l'air et dans un environnement fluide et la microscopie à effet tunnel (STM).

**During** her graduate studies at the University of Montreal, Mohini worked on the characterization and investigation of the physical properties of thin lipidic films using the AFM. In addition, Mohini have worked with the Thin Film Research Laboratory at the Université de Montréal to characterize a variety of samples from academia and industry by AFM. Her experience includes modes in Tapping and contact mode in air and in fluid environment and STM.

### Available Instruments disponibles



Multimode (Nanoscope IIIa a/w Extender), Digital Instruments.



MFP-3D SA, Asylum Research

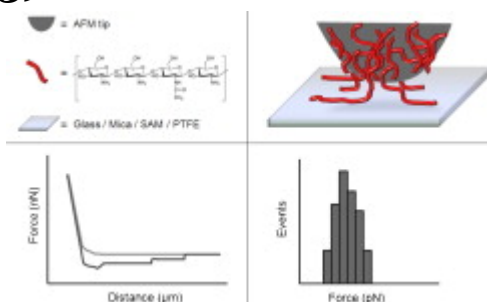


CYPHER, Asylum Research

Pour une utilisation ou toute autre question au sujet de ces instruments, veuillez vous adresser à [Mohini Ramkaran](#).

For usage or other questions regarding these instruments can be addressed to [Mohini Ramkaran](#).

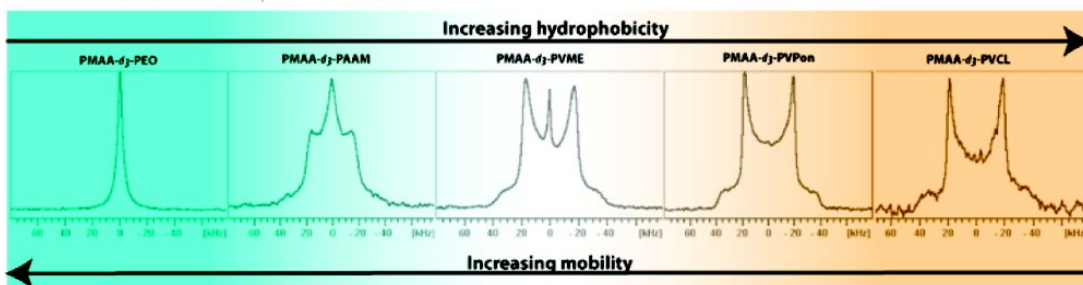
### 3) Publications



Marta Kocun, Michel **Grandbois** and Louis A. **Cuccia**, [Single molecule atomic force microscopy and force spectroscopy of chitosan](#). *Colloids and Surfaces B: Biointerfaces* Vol. 82, Issue 2, 1 February 2011, Pages 470-476

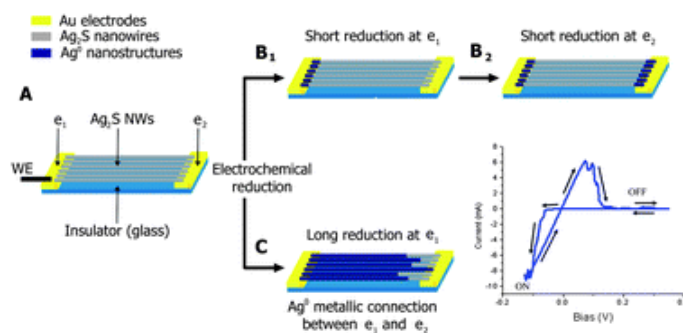
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For more details visit us at

[www.csacs.mcgill.ca](http://www.csacs.mcgill.ca)



Blythe Fortier-McGill, Violeta Toader, and Linda **Reven**, [Chain Dynamics of Water-Saturated Hydrogen-Bonded Polymer Complexes and Multilayers](#). *Macromolecules*, Article ASAP.

Gilles R. Bourret and R. Bruce **Lennox**, [Electrochemical synthesis of Ag\(O\)/Ag<sub>2</sub>S heterojunctions templated on pre-formed Ag<sub>2</sub>S nanowires](#). *Nano-scale*, 2011, 3, 1838-1844.



#### Publications 2010

En chiffres/In numbers

Total: 147 (33 membres)

4.5 pub/membre

McGill : 57 (13)

U. of M. : 56 (12)

#### Top:

Rosei: 18

Winnik: 12

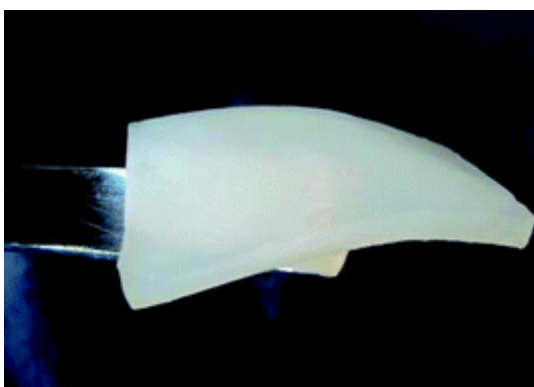
Kakkar : 11

Rey: 11

Zhu: 10

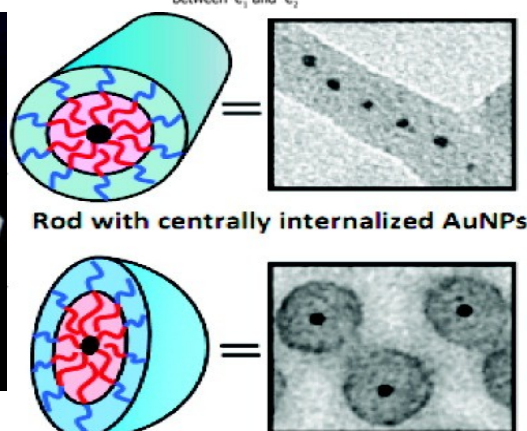
Zhao: 8

Sleiman: 8



Tiffany Abitbol, Timothy Johnstone, Thomas M. Quinn and Derek G.

**Gray**, [Reinforcement with cellulose nanocrystals of poly\(vinyl alcohol\) hydrogels prepared by cyclic freezing and thawing](#). *Soft Matter*, 2011, 7, 2373-2379.

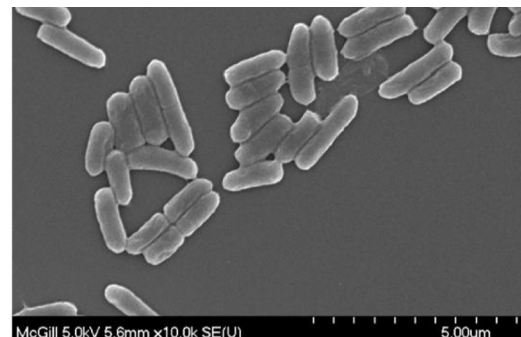
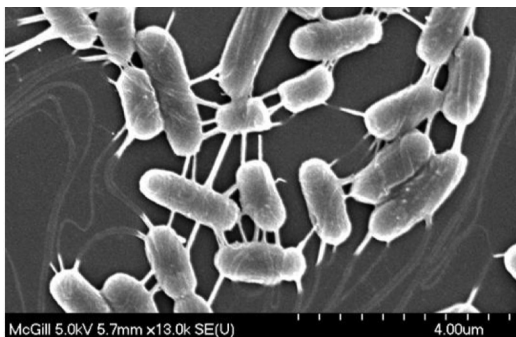


**Micelles with centrally internalized AuNPs**

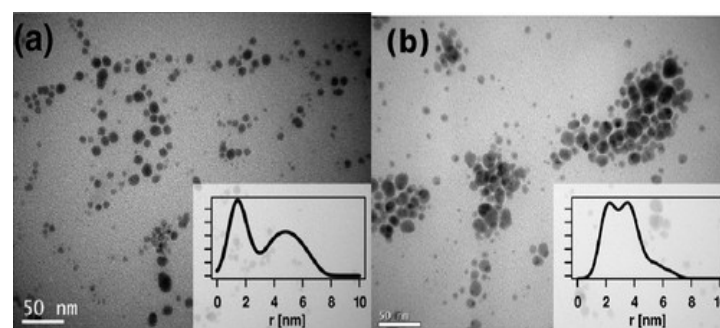
Yiyong Mai and Adi **Eisenberg**, [Controlled Incorporation of Particles into the Central Portion of Block Copolymer Rods and Micelles](#). *Macromolecules*, Article ASAP.



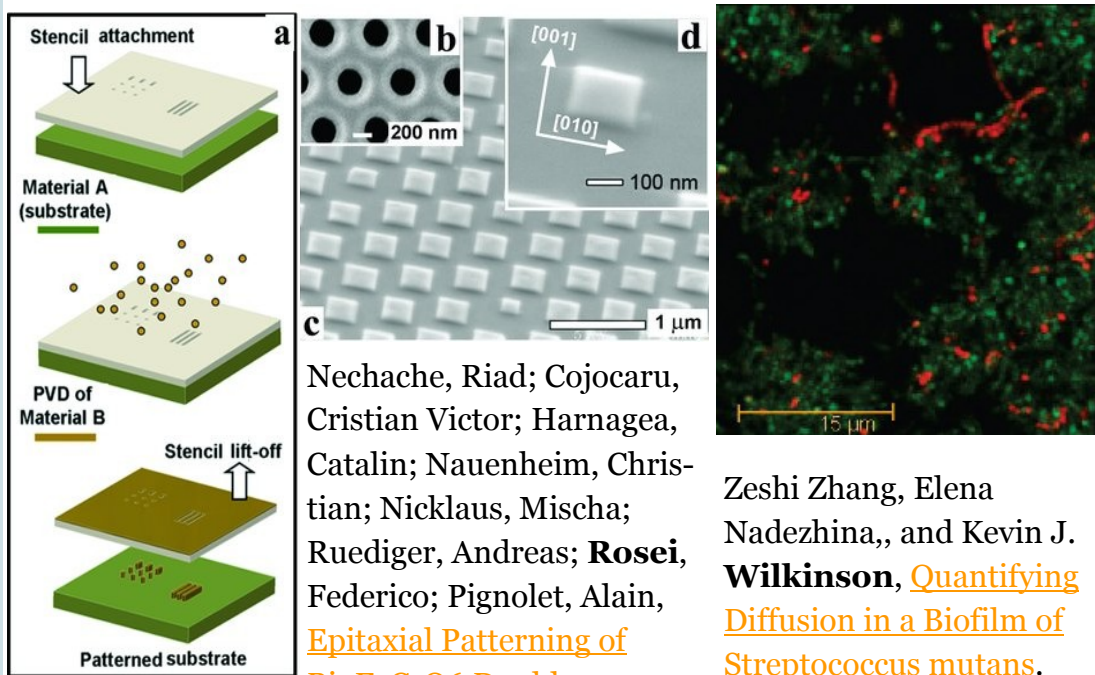
### 3) Publications



Zeinab Hosseinidou, Theo G. M. **Van de Ven**, and Nathalie Tufenkji, [Bacterial Capture Efficiency and Antimicrobial Activity of Phage-Functionalized Model Surfaces](#). *Langmuir*, Article ASAP.



Thomas-Otavio Peulen and Kevin J. **Wilkinson**, [Diffusion of Nanoparticles in a Biofilm](#). *Environ. Sci. Technol.*, Article ASAP.



Nechache, Riad; Cojocaru, Cristian Victor; Harnagea, Catalin; Nauenheim, Christian; Nicklaus, Mischa; Ruediger, Andreas; **Rosei**, Federico; Pignolet, Alain, [Epitaxial Patterning of Bi<sub>2</sub>FeCrO<sub>6</sub> Double](#)

[Perovskite Nanostructures: Multiferroic at Room Temperature](#). *Advanced Materials* Volume 23, Issue 15, Pages 1724-1729, 2011.

Zeshi Zhang, Elena Nadezhina,, and Kevin J. **Wilkinson**, [Quantifying Diffusion in a Biofilm of Streptococcus mutans. Antimicrobial Agents and Chemotherapy](#), March 2011, p. 1075-1081, Vol. 55, No. 3

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