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

Volume 75

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1) Demandes de résumés / Call for abstracts

Le premier colloque conjoint du CQMF/CRMAA aura lieu les 3 et 4 mai prochain à l'École de Technologie Supérieure (ETS) de Montréal.

Dates Limites

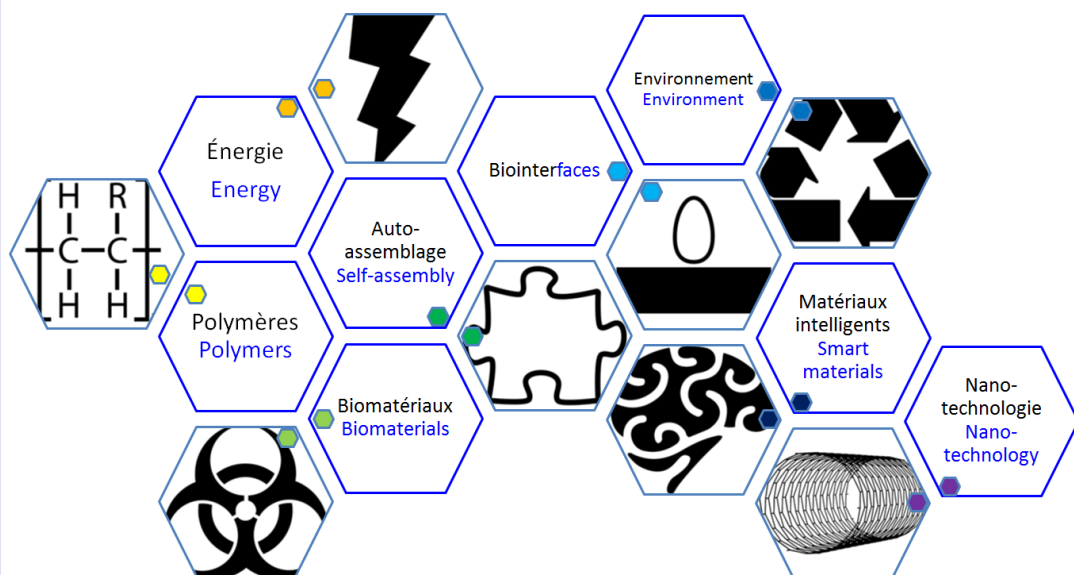
Soumission des résumés: 15 avril

(Présentations orales pour les membres et affiches pour les étudiants)

Inscription: 22 avril

Info et Inscription (requis) au

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



The first joint meeting for CQMF/CSACS will be held on May 3-4, 2016 at the l'École de Technologie Supérieure (ETS) in Montreal.

Deadlines

Abstract submission: April 15

(Talks for members and posters for students)

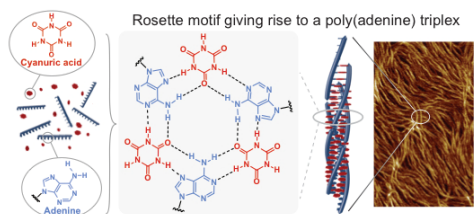
Registration: April 22

Details and registration (required) at

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



2) Tweets



Nicole Avakyan, Andrea Greschner, Faisal Aldaye, Christopher Serpell, Violeta Toader, Anne Petitjean & Hanadi **Sleiman**. [Reprogramming the assembly of unmodified DNA with a small molecule](#), *Nature Chemistry* Vol. 8, Pages: 368–376.

Cette découverte, c'est « une façon fondamentalement nouvelle de créer des assemblages d'ADN », explique Hanadi Sleiman, titulaire de la Chaire de recherche du Canada en nanoscience de l'ADN à McGill et auteure en chef de l'étude, publiée dans *Nature Chemistry*. « Ce concept peut s'appliquer à de nombreuses autres molécules, et les assemblages d'ADN ainsi formés pourraient être utiles dans une multitude de technologies. »

Source: [McGill Newsroom](#)

The discovery “demonstrates a fundamentally new way to make DNA assemblies,” says Hanadi Sleiman, Canada Research Chair in DNA Nanoscience at McGill and senior author of the study, published in *Nature Chemistry*. “This concept may apply to many other molecules, and the resulting DNA assemblies could have applications in a range of technologies.”

Source: [McGil Newsroom](#)

Rédacteur en chef adjoint d'Analyst, le professeur Jean-François Masson (Université de Montréal, Canada) a sélectionné ses 5 meilleurs articles publiés dans le domaine de la détection et des essais cliniques parmi les derniers numéros d'Analyst.

Le Professeur Masson est professeur au Département de chimie de l'Université de Montréal. Ses domaines de recherche sont la détection en utilisant des techniques plasmoniques, la chimie de surface, les nanomatériaux métalliques et la conception d'instrumentation portable pour la détection de biomolécules et de médicaments dans les biofluides bruts dans le but d'améliorer les essais cliniques.

Source: [Analyst Blog](#)

Analyst Associate Editor, Professor Jean-François Masson (Université de Montréal, Canada) has selected his Top 5 articles published in the field of sensing and clinical assays in recent issues of Analyst.

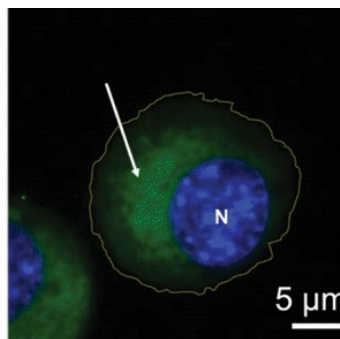
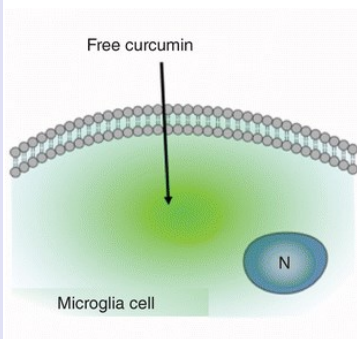
Professor Masson is Professor in the Department of Chemistry of the Université de Montréal. His research areas are sensing using plasmonic techniques, surface chemistry, metallic nanomaterials and portable instrumentation design for sensing of biomolecules and drugs in crude biofluids for improved clinical assays.

Source: [Analyst Blog](#)

Travaux menés par
Prof. Sleiman

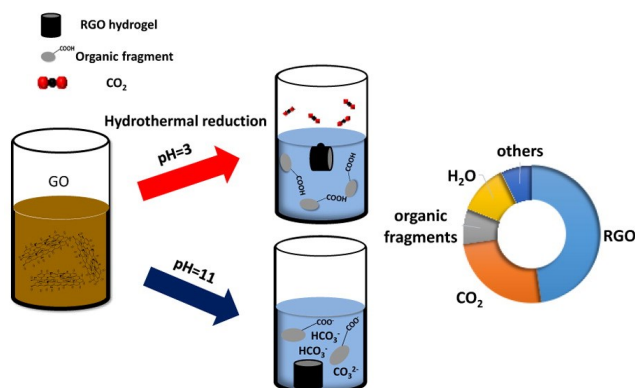
Editor's Choice: Jean-François Masson selects his top Analyst papers in the field of sensing and clinical assays

3) Publications

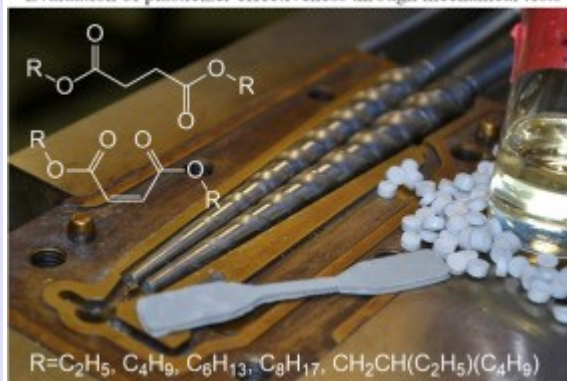


Jukka Niskanen, Issan Zhang, Yanming Xue, Dmitri Golberg, Dusica Maysinger & Françoise Winnik. [Boron nitride nanotubes as vehicles for intracellular delivery of fluorescent drugs and probes](#), *Nanomedicine*, March 2016, Vol. 11, No.5, pp 447-463.

Kaiwen Hu, Xingyi Xie, Thomas Szkopek and Marta Ceruti. [Understanding Hydrothermally Reduced Graphene Oxide Hydrogels: From Reaction Products to Hydrogel Properties](#), *Chem. Mater.*, 2016, 28 (6), pp 1756–1768.

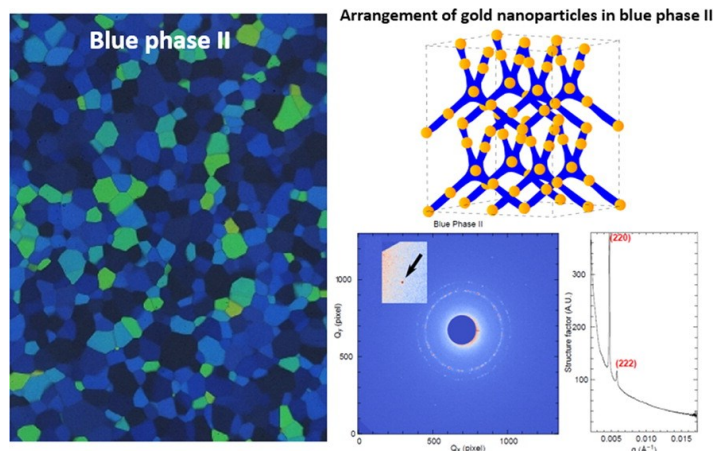


Evaluation of plasticizer effectiveness through mechanical tests

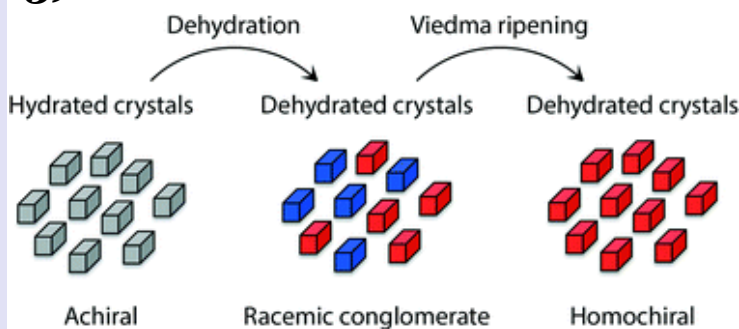


Hanno Erythropel, Sarah Shipley, Aurélie Börmann, Jim Nicell, Milan Maric and Richard Leask. [Designing green plasticizers: Influence of molecule geometry and alkyl chain length on the plasticizing effectiveness of diester plasticizers in PVC blends](#), *Polymer* Vol. 89, Pages 18–27.

Mohamed Amine Gharbi, Sabine Manet, Julien Lhermitte, Sarah Brown, Jonathan Milette, Violeta Toader, Mark Sutton and Linda Reven. [Reversible Nanoparticle Cubic Lattices in Blue Phase Liquid Crystals](#), *ACS Nano*, 2016, 10 (3), pp 3410–3415.

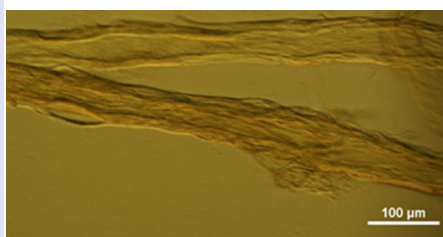
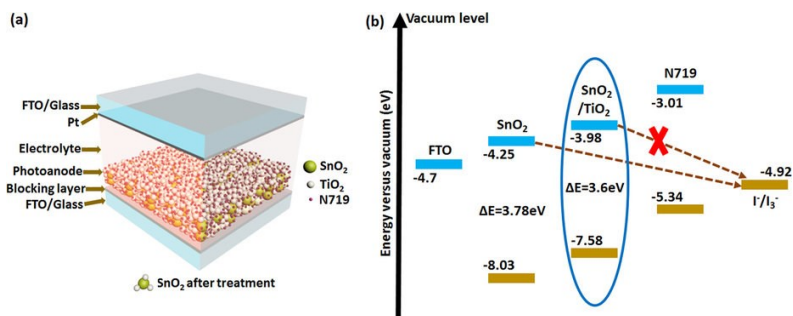


3) Publications con`t

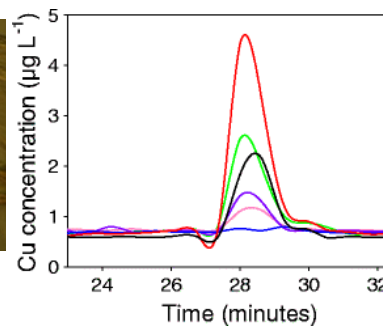


[Reajeen Sivakumar, Mohammad Askari, Simon Woo, Carolin Madwar, Xavier Ottenwaelder, Scott Bohle and Louis Cuccia. Homochiral crystal generation via sequential dehydration and Viedma ripening](#), *CrystEngComm*, 2016, Advance Article.

Kaustubh Basu, Daniele Benetti, Hai-guang Zhao, Lei Jin, Fiorenzo **Vetrone**, Alberto Vomiero and Federico **Rosei**. [Enhanced photovoltaic properties in dye sensitized solar cells by surface treatment of SnO₂ photoanodes](#), *Scientific reports* vol.6, Pages23312.

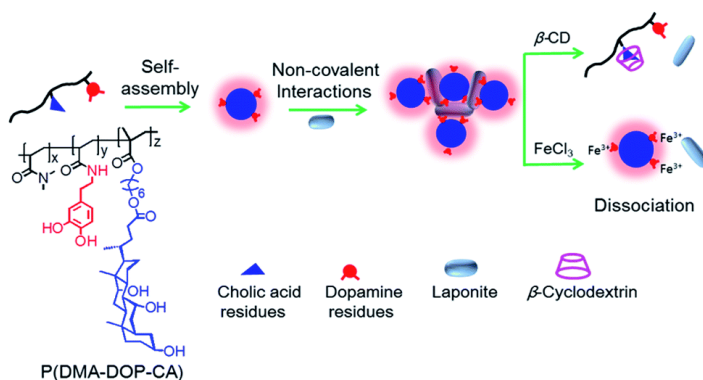


Han Yang and Theo **van de Ven**. [Preparation of hairy cationic nanocrystalline cellulose](#), *Cellulose* pp 1-11.



[Kim Proulx, Madjid Hadioui and Kevin Wilkinson. Separation, detection and characterization of nanomaterials in municipal wastewaters using hydrodynamic chromatography coupled to ICPMS and single particle ICPMS](#), *Analytical and Bioanalytical Chemistry* pp 1-9.

Yong-Guang Jia and X. X. **Zhu**. [Nanocomposite hydrogels of LAPONITE® mixed with polymers bearing dopamine and cholic acid pendants](#), *RSC Adv.*, 2016, 6, 23033-23037.



FRANCK BÉLANGER



TRANSLATOR
PROOFREADER
ENG-FR FR-ENG
fbiway@hotmail.com

TRADUCTEUR
CORRECTEUR D'ÉPREUVES
ANG-FR FR-ENG
514 756-6078

CSACS/CRMAA

McGill University
801 Sherbooke St. West
Montreal, Quebec, Canada
H3A 0B8

Phone: 514-983-6288
Fax: 514-398-3797
E-mail: csacs.chemistry@mcgill.ca
<http://www.csacs.mcgill.ca>