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2017

Detecting phenotypes with Raman spectroscopy

C3 **conference**

Cristina Garcia Timermans **UGent**, Benjamin Buysschaert **UGent**, Peter Rubbens **UGent**, Frederiek-Maarten Kerckhof **UGent**, Andre Skirtach **UGent** and Nico Boon **UGent**
(2017) *FT-IR Spectroscopy in Microbiological and Medical Diagnostics, 11th Workshop, Abstracts.*

[Mark](#)

Polymeric and lipid membranes : from spheres to flat membranes and vice versa

U **journalArticle**

Mariia Saveleva **UGent**, Ekaterina Lengert, Dmitry A Gorin, Bogdan Parakhonskiy **UGent** and Andre Skirtach **UGent**

Publications

Open Access (28.4%)

Subjects

Biology and Life Sciences (37)
Chemistry (21)
Technology and Engineering (13)
Physics and Astronomy (9)
Medicine and Health Sciences (5)

Frequent UGent co-authors

Timothy Douglas (14)
Pieter Wuytens (12)
Bogdan Parakhonskiy (12)
Kevin Braeckmans (10)
Roel Baets (8)
Sangram Keshari Samal (8)
David Schaubroeck (7)
Pascal Van Der Voort (6)
Stefaan De Smedt (6)
Ranhua Xiong (6)
Koen Raemdonck (5)
Jo Demeester (5)
Ananth Subramanian (5)
Heidi Declercq (4)
Bruno De Geest (4)
Karel De Schamphelaere (4)
Christian Stevens (4)
Winnok De Vos (3)
Nicolas Le Thomas (3)
Ashim Dhakal (3)
Frédéric Peyskens (3)
Ine De Cock (3)
Vitaliy Bliznuk (2)

(2017) *MEMBRANES*. 7(3).

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8 On-chip surface-enhanced Raman spectroscopy using nanosphere-lithography patterned antennas on silicon nitride waveguides A1 journalArticle

Pieter Wuytens **UGent**, Andre Skirtach **UGent** and Roel Baets **UGent**
(2017) *OPTICS EXPRESS*. 25(11). p.12926-12934

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8 Silver alginate hydrogel micro- and nanocontainers for theranostics : synthesis, encapsulation, remote release, and detection A1 journalArticle

Ekaterina Lengert, Mariia Saveleva **UGent**, Anatolii Abalymov, Vsevolod Atkin, Pieter Wuytens **UGent**, Roman Kamysinsky, Alexander L Vasiliev, Dmitry A Gorin, Gleb B Sukhorukov, Andre Skirtach **UGent**, et al.

(2017) *ACS APPLIED MATERIALS & INTERFACES*. 9(26). p.21949-21958

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8 Enzymatic, urease-mediated mineralization of gellan gum hydrogel with calcium carbonate, magnesium-enriched calcium carbonate and magnesium carbonate for bone regeneration applications A1 journalArticle

Timothy Douglas, Agata Łapa, Sangram Keshari Samal, Heidi Declercq **UGent**, David Schaubroeck **UGent**, Ana C Mendes, Pascal Van Der Voort **UGent**, Agnieszka Dokupil, Agnieszka Plis, Karel De Schampelaere **UGent**, et al.

(2017) *JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE*.

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8 Titanium surface functionalization with coatings of chitosan and polyphenol-rich plant extracts A1 journalArticle

Timothy Douglas, Suman Kumari, Kinga Dziadek, Michal Dziadek, Anatoly Abalymov, Pieter Cools **UGent**, Gilles Brackman, Tom Coenye **UGent**, Rino Morent **UGent**, MK. Mohan, et al.

(2017) *MATERIALS LETTERS*. 196. p.213-216

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8 Diverse applications of nanomedicine A1 journalArticle

Beatriz Pelaz, Christoph Alexiou, Ramon A Alvarez-Puebla, Frauke Alves, Anne M Andrews, Sumaira Ashraf, Lajos P Balogh, Laura Ballerini, Alessandra Bestetti, Cornelia Brendel, et al.

(2017) *ACS NANO*. 11(3). p.2313-2381

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8 Bioinspired, biomimetic, double-enzymatic A1 journalArticle

Gilles Brackman (2)

Ine Lentacker (2)

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Topics

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mineralization of hydrogels for bone regeneration with calcium carbonate

Marco A Lopez-Heredia, Agata Łapa, Ana C Mendes, Lieve Balcaen **UGent**, Sangram Keshari Samal, Feng Chai, Pascal Van Der Voort **UGent**, Christian Stevens **UGent**, Bogdan Parakhonskiy **UGent**, Ioannis S Chronakis, et al.
(2017) *MATERIALS LETTERS*. 190. p.13-16

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8 Ca:Mg:Zn:CO₃ and Ca:Mg:CO₃ - tri- and bi-elemental carbonate microparticles for novel injectable self-gelling hydrogel-microparticle composites for tissue regeneration

A1

journalArticle

Timothy Douglas, Katarzyna Sobczyk, Agata Łapa, Katarzyna Włodarczyk, Gilles Brackman, Irina Vidiashcheva, Katarzyna Reczyńska, Krzysztof Pietryga, David Schaubroeck **UGent**, Vitaliy Bliznuk **UGent**, et al.
(2017) *BIOMEDICAL MATERIALS*. 12.

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8 Release from polyelectrolyte multilayer capsules in solution and on polymeric surfaces

A1

journalArticle

Bogdan Parakhonskiy **UGent**, Alexey M Yashchenok, Helmuth Möhwald, Dmitry Volodkin and Andre Skirtach **UGent**
(2017) *ADVANCED MATERIALS INTERFACES*. 4(1).

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