WHAT’S ALL THIS?

Funded as part of CoS 2020 initiatives

5 short talks (3 min talk, 2 min questions) + Lunch

Aim to stimulate debate & encourage us show case our research to promote awareness and collaboration!
Erythrosensors

Sandra C. Bustamante-López

Professor Kenith Meissner
Diabetes

Every 7 SECONDS 1 person dies from diabetes

- Up to seven days monitoring
- Susceptible to sample contamination
- Stimulate undesired immune response

“More than 80% of diabetes deaths occur in low- and middle-income countries”

Erythrosensors

Preswelling

Controlled pore formation

+ FITC-glygly

+ FITC-glygly

Reseal

Dilution

Lyse

+ FITC-glygly

Reseal
2. Tracking of extracellular pH

- pH-sensitive dye FITC-glygly
- Low hemoglobin/cell recovery
- Non-uniformly loading
- Loading efficiency ~30%-80%

1. Loaded FITC-glygly via hypotonic dilution

Preswelling erythrosensors

Preswelling + FITCglygly

Naive

✓ High hemoglobin
✓ Cell recovery 80-90 %
✓ Loading efficiency ~50%
✓ Uniform population
Conclusion and future work

• Erythrosensors
  o Using red blood cells loaded with cargo for sensing
• Two loading strategies:
  o Hypotonic dilution and preswelling
• Erythrosensors and cell-bases sensors
Acknowledgements

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  • Dr. Sara Ritter
Missouri University
  • Prof. Tim Glass
  • Prof. Milanick
Matthew Wall | Wild Card
DIGITAL POLITICAL ENGAGEMENT IN #GE17

Dr Matthew Wall, Senior Lecturer in Politics, Department of Political and Cultural Studies, Swansea University

Slides prepared for CoS Talks event, 07/06/2016
THE DIGITISATION OF DELIBERATION – OPPORTUNITIES THREATS AND SOLUTIONS

- #GE17 has seen the largest array yet of digital decision aids –
- Including ‘Vote Match’ projects like mine; Tactical voting spreadsheets; vote swop sites and simple candidate and constituency information sites.
- No final data yet – but likely that these projects are having their largest impact ever on the election and this is only set to grow.
- Opportunities – engagement; information; transparency
- Threats – unregulated; atomising; tend to require funding to penetrate the population
- Solutions? ‘Digital Plus’ strategies; State or Electoral Commission Involvement; Integration into civic education.
To the internet…

http://www.whichcandidate.co.uk/
Richard Smith | Geography
Richard G. Smith
LIVE!

London after Brexit
Urban Studies

✓ Most highly-cited research now on AS / A Level Geography Syllabus from 2018
✓ Invited Editor of the major international interdisciplinary textbook The Companion to Urban Studies (Routledge) – 117 chapters
✓ Invited TEDx London talk ‘London After Brexit’ (Audience 1600, Sadler’s Wells Theatre)
✓ Research from Travel etc.: Why Skyscrapers? Favela Painting, Slums from Space … London after Brexit
All ‘T’-hings Urban Studies … e.g. after this talk I am being interviewed by a company about food in cities for their newsletter and blog!
Baudrillard Studies

✓ Incoming Editor International Journal of Baudrillard Studies (IJBS)
✓ Just a few of the invited contributions I am completing at the moment are for: (1) The Wiley Blackwell Encyclopaedia of Urban and Regional Studies; (2) Special issue of IJBS; (3) Oxford Bibliographies; (4) The Routledge Companion to Photography Theory; (5) Bloomsbury Handbook to Literary and Cultural Theory
✓ Invited talks – this month I am in Paris to speak and participate in a round-table panel

BUT in this REF period so far mainly been doing...
Major Research Programme, 2015–2021
“Jean Baudrillard: Extreme World, Extreme Theory”
CURRENT BOOK DEALS


✓ Smith, RG, Clarke DB, Turner C eds. (2019) Jean Baudrillard: Untranslated German Interviews (Seagull Books)


✓ Smith RG and Clarke DB eds. (2019) Entretiens avec Jean Baudrillard (‘Perspectives critiques’ Presses Universitaires de France)


❖ Then it is a Monograph and ‘Applied Baudrillard’...

Learn More from my websites...
Websites

Swansea Staff Page – very detailed, with links to my other websites:

http://www.baudrillardstudies.com

http://www.poststructuralistcities.com

Tweets: @drrichardsmith

Amazon Author Page, LinkedIn etc.
Fin
Thanks for coming!
Contact Tim (tdjneate@gmail.com) with:

- Your Name
- Department
- Research Topic