

# BrisSynBio Annual Conference

and meeting of the Scientific Advisory Board

11<sup>th</sup> – 13<sup>th</sup> September 2017

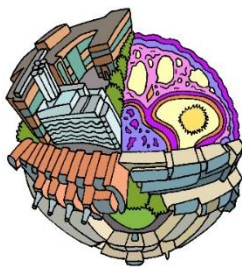
School of Chemistry, University of Bristol

## Monday 11<sup>th</sup> September

08:30 onwards	Registration	<i>Coffee for SAB and external arrivals only</i>
<b>Opening session</b>		
<b>Chair: Dek Woolfson</b>		
09:00 – 09:10	Dek Woolfson	Welcome
09:15 – 10:00	John Ward, UCL	Opening plenary
10:00 – 10:45	Ian Collinson et al	Nanoreactor bionetworks
10:45 – 11:30	Coffee	East foyer
<b>Session 1</b>		
<b>Chair: Tom Gorochowski</b>		
11:30 – 12:15	Steve Mann et al	Metabolic protocells
12:15 – 12:30	iGEM team	Short talk: BREATHE
12:30 – 13:00	Fabio Parmeggiani	Designing protein architectures
13:00 – 14:00	Lunch and posters	East foyer
<b>Session 2</b>		
<b>Chair: Darian Meacham: RRI special interest session</b>		
14:00 – 14:45	Mark Winfield	A synthetic pathway for recombination in wheat
14:45 – 15:15	Michael Reinsborough	Social responsibility and gene editing technologies in wheat research UK
15:15 – 16:00	Ash Toye et al	Engineered red blood cells as drug delivery agents and bioreactors
16:00 – 16:30	Coffee and posters	East foyer
<b>Session 3</b>		
<b>Chair: Fabio Parmeggiani</b>		
16:30 – 17:00	Tom Gorochowski	Synthetic genetic circuits
17:00 – 17:30	Mark Szczelkun et al	MitoCRISPR: Re-engineering Cas9 for targeting mitochondrial DNA
18:00 – 19:00	Travel to River Station	
19:00	Drinks and dinner for all	River Station, The Grove, Bristol Harbourside



**BrisSynBio**  
 biomolecules to biosystems  
 from understanding to design



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Tuesday 12<sup>th</sup> September

## Session 4

**Chair: Lucia Marucci**

09:00 – 09:45	Dek Woolfson et al	SAGEs: Design, characterisation, and applications
09:45 – 10:30	Nigel Savery et al	Orthogonal components for transcriptional logic gates
10:30 – 10:45	Andy Boyce	BrisSynBio Innovation Programme
10:45 – 11:00	Zentraxa team	Innovation talk: Zentraxa

11:00 – 11:30

Coffee and posters

East Foyer

## Session 5:

**Chair: Sabine Hauert**

11:30 – 12:15	Mario di Bernardo et al	Harnessing synthetic oscillators
12:15 – 12:45	Lucia Marucci et al	Controlling mammalian cell signalling
12:45 – 13:00	Adam Perriman	Innovation talk: CytoSeek

13:00 – 14:00

Lunch and posters

East Foyer

## Session 6

**Chair: Claire Grierson**

14:00 – 14:30	Imre Berger et al	Next-generation genome engineering tools for new therapies
14:30 – 14:45	Will Dawson and Chris Wood	Innovation talk: Barrel Array Diagnostics and SenSing
14:45 – 15:00	Peter Wilson	BrisSynBio Facilities
15:00 – 15:30	Tom Swift	Functional nanomaterials as a route to enhanced photosynthesis

15:30 – 16:00

Coffee and posters

East Foyer

## Session 7

**Chair: Imre Berger**

16:00 – 16:30	Chris Willis et al	Engineering antibiotics
16:30 – 17:00	Paul Race et al	Scalable biosynthetic polyketide platforms
17:00 – 17:15	Imre Berger	Meeting close

17:15 – 19:00

Drinks and nibbles  
PG Coffee Lounge

SYNTHETIC | An exploration of synthetic biology through Art  
Launch of RRI residential workshop scheme

19:30

SAB dinner  
- by invitation only -

*Glass Boat, Welshback, Bristol Harbourside*

