



# Nitric Oxide Society Meeting 2018

**SAVE THE DATE**

**Sunday 16 - Thursday 20 September 2018**

**Oxford, UK**

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## PROGRAMME

### Sunday 16 September


16:00 – 19:00	REGISTRATION	<i>Keble College</i>
19:00 – 21:00	<b>WELCOME DRINKS RECEPTION</b>	<i>Museum of Natural History</i>
	19:30 – 20:10 <b>Welcome address and plenary</b> <i>Louis IGNARRO</i> (USA)	

### Monday 17 September

07:00 – 08:30	Residents Breakfast	<i>Keble College Dining Hall</i>
07:30 – 08:30	REGISTRATION	<i>Maths Institute</i>
08:30 – 09:20	<i>LT1</i>	
	Chair: <i>Keith CHANNON</i> (UK)	
	<b>PLENARY 1: <i>Ferid MURAD</i></b> (USA)	
09:30 – 10:45	<i>LT1</i>	<i>LT2</i>
	<b>Session 1: Translational sGC</b>	<b>Session 2: NOS Biochemistry - Regulation and Signaling Physiology</b>
	Co-Chairs: <i>Adrian HOBBS</i> (UK) + <i>John GARTHWAITE</i> (UK)	Co-Chairs: <i>Mariam CORTESE-KROTT</i> (GERMANY) + <i>Jay ZWEIER</i> (USA)
	09:30 – 09:50 <i>Peter SANDNER</i> (GERMANY) 09:50 – 10:10 <i>Todd MILNE</i> (USA) 10:10 – 10:30 <i>Thorsten KESSLER</i> (GERMANY) 10:30 – 10:45 TBC	09:30 – 09:50 <i>Bill SESSA</i> (USA) 09:50 – 10:10 <i>Brant ISAKSON</i> (USA) 10:10 – 10:30 <i>Swapli SOKUSARE</i> (USA) 10:30 – 10:45 TBC
10:45 – 11:15	Refreshments, exhibition, posters + networking	
11:15 – 12:45	<i>LT1</i>	<i>LT2</i>
	<b>Session 3: Clinical/Translational NO</b>	<b>Session 4: NOS Biochemistry - Structural and Functional Biochemistry</b>
	Co-Chairs: <i>Jon LUNDBERG</i> (SWEDEN) + <i>Bruce FREEMAN</i> (USA)	Co-Chairs: <i>Dennis STUEHR</i> (USA) + <i>Ingrid FLEMING</i> (GERMANY)
	11:15 – 11:45 <i>Amrita AHLUWALIA</i> (UK) 11:45 – 12:15 <i>Sruti SHIVA</i> (USA) 12:15 – 12:30 TBC 12:30 – 12:45 TBC	11:15 – 11:45 <i>Nigel SCRUTON</i> (UK) 11:45 – 12:15 <i>Yoichi OSAWA</i> (USA) 12:15 – 12:30 TBC 12:30 – 12:45 TBC
12:45 – 14:00	Lunch, exhibition, posters + networking	
14:00 – 15:45	<i>LT1</i>	<i>LT2</i>
	<b>Session 5: Infection and Inflammation</b>	<b>Session 6: Species Interaction and Persulfides</b>
	Co-Chairs: <i>Christian BOGDAN</i> (USA) + <i>Ferric FANG</i> (USA)	Co-Chairs: <i>Martin FEELISCH</i> (UK) + <i>Peter NAGY</i> (HUNGARY)
	14:00 – 14:30 <i>Christian BOGDAN</i> (USA) 14:30 – 15:00 <i>Ferric FANG</i> (USA) 15:00 – 15:30 <i>Lalli RAMAKRISHNAN</i> (UK) 15:30 – 15:45 TBC	14:00 – 14:30 <i>Takaaki AKAIKE</i> (JAPAN) 14:30 – 15:00 <i>Jon FUKUTO</i> (USA) 15:00 – 15:30 <i>Fumito ISCHINOSE</i> (USA) 15:30 – 15:45 TBC

15:45 – 16:15	Refreshments, exhibition, posters + networking	
16:15 – 18:00	<i>LT1</i>	<i>LT2</i>
	Session 7: Immunology / Metabolism / Immunometabolism	Session 8: New Methodologies
	Co-Chairs: <i>David WINK</i> (USA) + <i>Dan McVICAR</i> (USA)	Co-Chairs: <i>Andrew GOW</i> (USA) + <i>Joe BURGOYNE</i> (UK)
	16:15 – 16:45 TBC	16:15 – 16:45 TBC
	16:45 – 17:15 TBC	16:45 – 17:15 TBC
	17:15 – 17:45 TBC	17:15 – 17:45 TBC
	17:45 – 18:00 TBC	17:45 – 18:00 TBC
18:00	Meeting close Day One	
19:00	Residents Dinner	<i>Keble College Dining Hall</i>

## Tuesday 18 September

07:00 – 08:30	Residents Breakfast	<i>Keble College Dining Hall</i>
07:30 – 08:30	REGISTRATION	<i>Maths Institute</i>
08:30 – 09:20	<i>LT1</i>	
	Chair: <i>Amrita AHLUWALIA</i> (UK)	
	<b>PLENARY 2:</b> <i>Salvador MONCADA</i> (UK)	
09:30 – 10:45	<i>LT1</i>	<i>LT2</i>
	Session 9: Ischemia / Hypoxia	Session 10: Diabetes and Obesity
	Co-Chairs: <i>Harald SCHMIDT</i> (GERMANY) + <i>Tienush RASSAF</i> (GERMANY)	Co-Chairs: <i>Justin PERCIVAL</i> (USA) + <i>Charalambos ANTONIADES</i> (UK)
	09:30 – 09:50 <i>Matthias TOTZECK</i> (GERMANY)	09:30 – 09:50 TBC
	09:50 – 10:10 <i>Andreas DAIBER</i> (GERMANY)	09:50 – 10:10 TBC
	10:10 – 10:30 <i>Ingo HILGENDORF</i> (GERMANY)	10:10 – 10:30 TBC
	10:30 – 10:45 TBC	10:30 – 10:45 TBC
10:45 – 11:15	Refreshments, exhibition, posters + networking	
11:15 – 12:45	<i>LT1</i>	<i>LT2</i>
	Session 11: Mitochondria	Session 12: Redox-pathway control
	Co-Chairs: <i>Sruti SHIVA</i> (USA) + <i>Edward CHOUCHANI</i> (USA)	Co-Chairs: <i>Phil EATON</i> (UK) + <i>Neill HOGG</i> (UK)
	11:15 – 11:45 <i>Harry ISCHIROPOULOS</i> (USA)	11:15 – 11:45 <i>Roland STOCKER</i> (AUSTRALIA)
	11:45 – 12:15 <i>Stuart LIPTON</i> (USA)	11:45 – 12:15 <i>Yvonne JANSSEN-HEININGER</i> (USA)
	12:15 – 12:30 <i>Mark KOHR</i> (USA)	12:15 – 12:30 <i>Francisco Jose SCHOPFER</i> (USA)
	12:30 – 12:45 <i>Edward CHOUCHANI</i> (USA)	12:30 – 12:45 <i>Neill HOGG</i> (USA)
12:45 – 14:45	Lunch, exhibition, MODERATED poster session + networking Co-Chairs: <i>Miriam CORTESE-KROTT</i> (GERMANY) + <i>Annarita DI LORENZO</i> (USA)	
14:45 – 16:15	<i>LT1</i>	<i>LT2</i>
	Session 13: BHF Cardiovascular Session	Session 14: Environmental Chemistry and Toxicology
		
	Co-Chairs: <i>Phil JAMES</i> (UK) + <i>Mark CRABTREE</i> (UK)	Co-Chairs: <i>Brian CRANE</i> (USA) + <i>Kyle M LANCASTER</i> (USA)
	14:45 – 15:15 <i>Ajay SHAH</i> (UK)	14:45 – 15:15 TBC
15:15 – 15:45 <i>Philip BATH</i> (UK)	15:15 – 15:45 TBC	
15:45 – 16:00 Award winner	15:45 – 16:00 TBC	
16:00 – 16:15 Award winner	16:00 – 16:15 TBC	
16:15 – 16:35	Refreshments, exhibition + networking	
16:35 – 18:05	<i>LT1</i>	<i>LT2</i>
	Session 15: Vascular Disease	Session 16: R-SNO R-NNO and other PTMS

	Co-Chairs: <i>Jason ALLEN</i> (USA) + <i>Keith CHANNON</i> (UK)	Co-Chairs: <i>Greg THATCHER</i> (USA) + <i>Tish MURPHY</i> (USA)
	16:35 – 17:05 <i>Phil CHOWIENCZYK</i> (UK) 17:05 – 17:35 TBC 17:35 – 17:50 TBC 17:50 – 18:05 TBC	16:15 – 16:45 <i>Chris KEVIL</i> (USA) 16:45 – 17:15 TBC 17:15 – 17:45 TBC 17:45 – 18:00 TBC
18:05	Meeting close Day Two	
19:00	<b>Residents Dinner</b> <i>Keble College Dining Hall</i>	

## Wednesday 19 September

07:00 – 08:30	<b>Residents Breakfast</b> <i>Keble College Dining Hall</i>	
07:30 – 08:30	REGISTRATION <i>Maths Institute</i>	
08:30 – 09:20	<i>LT1</i>	
	Chair: <i>David WINK</i> (USA)	
	<b>PLENARY 3: Elisabeth MURPHY</b> (USA)	
09:30 – 10:45	<i>LT1</i>	<i>LT2</i>
	<b>Session 17: Cancer</b>	<b>Session 18: Microbiome</b>
	Co-Chairs: <i>Doug THOMAS</i> (USA) + <i>Tim BILLIAR</i> (USA)	Co-Chairs: <i>Nathan BRYAN</i> (USA) + <i>Larry WEISS</i> (USA)
	09:30 – 09:50 <i>Scot WALDMAN</i> (USA) 09:50 – 10:10 <i>Jenny CHANG</i> (USA) 10:10 – 10:30 <i>Dominique BONNET</i> (UK) 10:30 – 10:45 TBC	09:30 – 09:50 <i>Gena TRIBBLE</i> (USA) 09:50 – 10:10 <i>Diogo SILVER</i> (UK) 10:10 – 10:30 TBC 10:30 – 10:45 TBC
10:45 – 11:15	Refreshments, exhibition, posters + networking	
11:15 – 12:45	<i>LT1</i>	<i>LT2</i>
	<b>Session 19: SFRR session</b>	<b>Session 20: Exercise</b>
	Co-Chairs: <i>Giovanni MANN</i> (UK) + TBC	Co-Chairs: <i>Eddie WEITZBERG</i> (SWEDEN) + <i>Anni VANHATALO</i> (UK)
	11:15 – 11:45 TBC 11:45 – 12:15 TBC 12:15 – 12:30 TBC 12:30 – 12:45 TBC	11:15 – 11:45 <i>Andy JONES</i> (UK) 11:45 – 12:15 <i>Julio CHIRINOS</i> (USA) 12:15 – 12:30 TBC 12:30 – 12:45 TBC
12:45 – 14:00	Lunch, exhibition, MODERATED poster session + networking Co-Chairs: <i>Miriam CORTESE-KROTT</i> + <i>Annarita DI LORENZO</i>	
14:00	Meeting close Day Three	
14:00 – 18:30	<b>Excursions (optional)</b> Blenheim Palace Oxford walking tour	
19:00	<b>Gala dinner pre dinner drinks</b> <i>Keble College</i>	
19:45	<b>Gala dinner</b> <i>Keble College Dining Hall</i>	

## Thursday 20 September

07:00 – 08:30	<b>Residents Breakfast</b> <i>Keble College Dining Hall</i>	
07:30 – 08:30	REGISTRATION <i>Maths Institute</i>	
08:30 – 10:00	<i>LT1</i>	
	<b>Session 21: Hot Topics</b>	
	Co-Chairs: <i>Jack LANCASTER</i> (USA) + <i>Andrew GOW</i> (USA) 8 x speakers TBC	
10:00 – 10:30	Refreshments, exhibition, posters + networking	

10:30 – 12:00	<i>LT1</i>	<i>LT2</i>
	Session 22: H2S and Species Interaction	Session 23: Arginine, Arginase and the Future of Arginase Inhibition
	Co-Chairs: <i>Rakesh PATEL</i> (USA) + <i>Chris KEVIL</i> (USA)	Co-Chairs: <i>Claudia MORRIS</i> (USA) + <i>Carol COLTON</i> (USA)
	10:30 – 11:00 <i>Wayne ORR</i> (USA) 11:00 – 11:30 <i>Jaisong BIANG</i> (SINGAPORE) 11:30 – 11:45 <i>Victor DARLEY-USMAR</i> (USA) 11:45 – 12:00 TBC	10:30 – 11:00 <i>John PERNOW</i> (SWEDEN) 11:00 – 11:30 <i>Carol COLTON</i> (USA) 11:30 – 11:45 <i>Sidney MORRIS</i> (USA) 11:45 – 12:00 TBC
12:00 – 12:15	Comfort break	
12:15 – 13:45	<i>LT1</i>	<i>LT2</i>
	Session 24: Mechanisms of Nitrate-Nitrite Reduction and Bioactivity	Session 25: Biochemistry / Structural Biology of sGC
	Co-Chairs: <i>Marcelo MONTENEGRO</i> (SWEDEN) + <i>Alan SCHECHTER</i> (USA)	Co-Chairs: <i>Annie BEUVE</i> (USA) + <i>Peter SANDNER</i> (GERMANY)
	12:15 – 12:45 <i>Rakesh PATEL</i> (USA) 12:45 – 13:15 <i>Mattias CARLSTRÖM</i> (SWEDEN) 13:15 – 13:30 <i>Barbora PIKNOVA</i> (USA) 13:30 – 13:45 TBC	12:15 – 12:45 <i>Michael MARLETTA</i> (USA) 12:45 – 13:15 <i>Dennis STUEHR</i> (USA) 13:15 – 13:30 <i>Adam STRAUB</i> (USA) 13:30 – 13:45 TBC
13:45 – 14:00	Closing remarks	
14:00 – 14:45	Lunch	
14:45	Meeting Close	