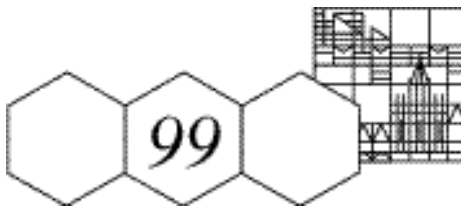


13th International Congress on Flavins & Flavoproteins



Congress Program

Sunday, August 29

- 18.00 Town Hall: Registration
19.30 Town Hall: Welcoming Reception

Monday, August 30

- 08.00 Registration
09.00 Welcome and Opening Remarks
Flavins and electrons **Chair:** Pilone
Speakers:
09.15 Flavins: nano-transceivers Chapman (45')
10.00 Model systems for flavoenzyme activity Rotello (30')
10.30 NMR/Isoalloxazine/Flavoproteins Rüterjans (30')
11.00 *Coffee break*
11.30 Alkyl hydroperoxide reductase systems Poole (30')
12.00 One-electron cycles/flavin-dependent Dehydrations Buckel (30')
12.30 Hydrogen tunneling Klinman (45')
13.15 - 14.30 *Lunch*
15.00 - **Poster session (A01 - H08) & Coffee**
18.00 *break*
18.30 -19.30 *Dinner*
19.45 - 20.35 **Evening Lecture:** **Chair:**
Electron transfer engineering in natural proteins and designed flavoproteins Mayhew
Speakers:
Dutton (50')
20.35 - 22.00 **Poster discussion and short talks on the topics of the day** Sadeghi (10')
Hoover (10')
Yalloway (10')
Gomes (10')
Graeme (10')

Tuesday, August 31

<i>Flavins and light</i>		Chair: Müller
		Speakers:
09.00	Blue light photoreceptors in higher plants	Briggs (45')
09.45	Light dependent genome repair	Carell (30')
10.15	DNA photolyase and cryptochrome	Todo (30')
10.45	Coffee break	
11.15	The cryptochrome family/blue light receptors	Cashmore (45')
12.00	Arabidopsis/blue light receptor	Batschauer (15')
12.15 - 12.45	NADPH-Specific Oxidoreductase/Luciferase	Tu (30')
13.00 - 14.30	Lunch	
15.00 - 18.00	Poster session (I01 - O10) & Coffee break	
18.30 - 19.30	Dinner	
19.45 - 20.35	Evening Lecture: Structural flavoenzymology on the brink	Chair: Veeger Speakers: Karplus (50') Aubert (10') Björnberg (10') Leys (10') Nivière (10') Umhau (10')
20.35 - 22.00	Poster discussion and short talks on the topics of the day	

Wednesday, September 1

Posters open for inspection and discussion		
09.00 - 12.00	Discussion of specific topics in small groups, to be organized.	
Afternoon	Free (social events and excursions)	
19.30	Banquet Living through various phases of flavin research	Speaker: Beinert

Thursday, September 2

Flavins and oxygen

Chair: Ballou

Speakers:

van Berkel (30')

08.45 Coenzyme recognition/aromatic hydroxylases

09.15 Wavin' Flavins/Hydroxybenzoate Hydroxylase

Palfey (30')

09.45 Hydroxylation/NIH-shift mechanism

Eisenreich (30')

10.15 **Coffee break**

Flavoproteins and "C-H-substrates", mechanisms

Chair: Lederer

Speakers:

10.45 Structural biology of oxidases

Fraaije (30')

11.15 DAAO structure and mechanisms

Miura (30')

11.45 DAAO mechanisms

Pollegioni (30')

12.15 Monomeric Sarcosine Oxidase

Jorns (30')

12.45 Acyl CoA dehydrogenases

Kim (30')

13.15 - 14.30 **Lunch**

15.00 - 18.00 **Poster session (P01 - X05) & Coffee break**

18.30 - 19.30 **Dinner**

19.45 - 20.35 **Evening Lecture:**

Chair: Scrutton

Speaker:

Dihydrolipoyl dehydrogenase, the complex flavoprotein

Perham (50')

20.35 - 20.55 Flavin reductase/FRase I

Tanokura (20')

20.55 - 21.45 **Poster discussion and short talks on the topics of the day**

Barna (10')

Mewies (10')

Schaller (10')

Strassner (10')

Ridder (20')

21.45 - 22.05 Computer visualisation of flavin-dependent aromatic hydroxylation

Friday, September 3

Protein-protein interactions

Chair:

Edmondson

Speakers:

Schulz (30')

Dixon (30')

Gomez-Moreno
(30')

Frey (20')

09.00 Adrenodoxin reductase
09.30 Properties of NifL
10.00 Ferredoxin-NADP⁺ reductase
10.30 Crystallographic studies/Ferredoxin-
NADP⁺ reductase

10.50 **Coffee break**

Multidomain flavoproteins

11.20 CO dehydrogenase

Meyer (40')

12.00 APS reductase

Fritz (20')

12.20 Pyruvate oxidase

Tittmann (10')

12.40 - 14.00 **Lunch**

Flavoproteins, medical aspects

Chair: Yagi

Speakers:

Yagi (15')

14.45 An outlook

Matthews (40')

15.00 Methylenetetrahydrofolate reductase

Masters (30')

15.40 Nitric oxide synthase

Schirmer (30')

16.10 Disulfide reductases

Lambeth (20')

16.40 Cell transformation/Mox1

17.00 **Coffee break**

17.30 Mercuric ion reductase

Miller (20')

17.50 – 18.30 **Short talks**

Löffler (10')

Becker (10')

Matsuda (10')

18.30 - 19.30 **Dinner**

20.00 - 20.45 **Evening Lecture:**

New things about old yellow enzymes

Chair: Ghisla

Speaker:

Massey (45')

20.45 Closing remarks