

HOME 3rd International Symposium on vitamin B₆, PQQ, Carbonyl Catalysis and Quinoproteins

A composite symposium comprising the 11th International Symposium on Vitamin B₆ and Carbonyl Catalysis and the 5th International Symposium on PQQ and Quinoproteins

University of Southampton, UK April 14th - 19th, 2002

Vitamin B₆ is the precursor of pyridoxal phosphate the prosthetic group of many enzymes in almost all organisms. PQQ is the prosthetic group of a number of bacterial dehydrogenases and these enzymes, together with those that have related prosthetic groups, are called the quinoproteins. Each had international conferences dedicated to them but, because of some crossovers and similarities in some aspects of the enzymes, it was decided to have joint Symposia. Because of my long involvement with PQQ enzymes I was asked to organise the third, in Southampton. The first two PQQ Symposia had been held in Delft and Yamaguchi, followed by the joint Symposia in Santa Fe and Capri, so I had to face the challenge of beautifully located precursors. It is usual to present participants with a small gift related to the location of the conference; for example, a lovely blue ceramic tile from Delft. All I could think of for gift from here was a gift of an umbrella with the Symposium logo.

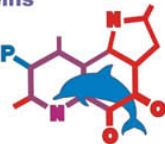
The University refused to give any support except for permission to use Boldrewood and to hire rooms in halls of residence. I had to find sponsors for funding. Any loss would be mine. I used a conference-organising company to help arranging accommodation and some other bits and pieces. Fortunately I was joined in the organisation of programming of the B₆ part of the Symposium by Robert John and Carrie Wilmot. A lecturer in our Department (Biochemistry), John Cooper, did everything to do with getting abstracts and publishing the Proceedings in a [special edition of Biochimica Biophysica Acta](#). The smooth running of the Symposium was entirely due to a small hard-working band of postgraduate students led by Leigh Felton. I spent most of the day after accepting responsibility for the Symposium creating the logo which is a mixture of pyridoxal phosphate and PQQ with the University dolphin logo.

The highlights of the 'social' programme were visits to Stonehenge, a concert in the Turner Sims concert Hall and formal Symposium dinner in the Warrior Britain's first iron-hulled, armoured battleship, HMS Warrior 1860.

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Comprising the
11th International Symposium on Vitamin B₆ and Carbonyl Catalysis
and the 5th International Symposium on PQQ and Quinoproteins




Programme

The opening session will be late afternoon of Sunday April 14th
The closing session will be the morning of Friday April 19th

To ensure that we cover as wide a range of topics as possible we will have:
Morning sessions: joint symposia; Afternoon sessions: separate symposia

Programme topics will include:

- Vitamin B₆-dependent enzymes (transferases, decarboxylases, other lyases, racemases, mutases, phosphorylase).
- Amine oxidases (TPQ), human semicarbazide-sensitive enzymes, vascular adhesion protein, lysyl oxidase (LTO).
- Quinoprotein dehydrogenases containing PQQ and TTQ and their related electron transport systems.
- Molecular pathology, Physiological and Nutritional aspects, and Molecular evolution of these enzymes and cofactors.
- Biosynthesis of vitamin B₆, PQQ, TTQ, TPQ and LTO. Non-enzymatic models for reactions involving these cofactors.
- Protein engineering and applications of these enzymes and cofactors.

  		
The organisers: Rob John, me and Carrie Wilmot The research student facilitators: Mark Montgomery, Leighton Coates, Paul Williams and Nick Brown. Sorry no picture of Peter James. The nerve centre with and Mark and Leigh Felton who helped presenters get organised.		

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.....	Pictures:	People	Dinner on The Warrior	Concert
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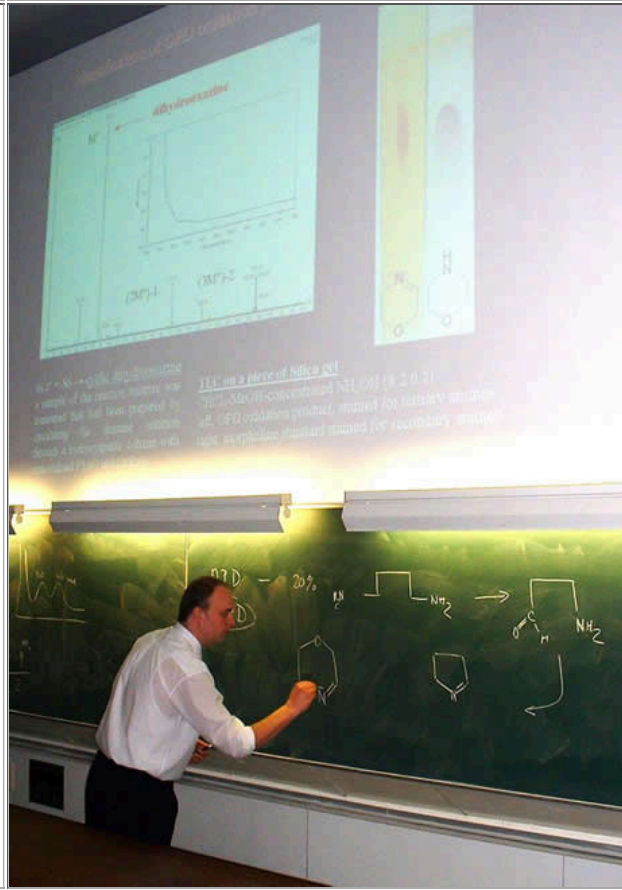
[Links to other PQQ and Quinoprotein pages](#)

To make pictures larger press Ctl and plus sign (+); to make smaller press Ctl and minus sign (-)

TOP Conference people Because the symposium covered two topics there are many who I cannot name. I hope to fill in names later. Some of the pictures are included merely to show Boldrewood, my working home for about 35 years. The first pictures shown here were during the outing to Stonehenge.	
  	

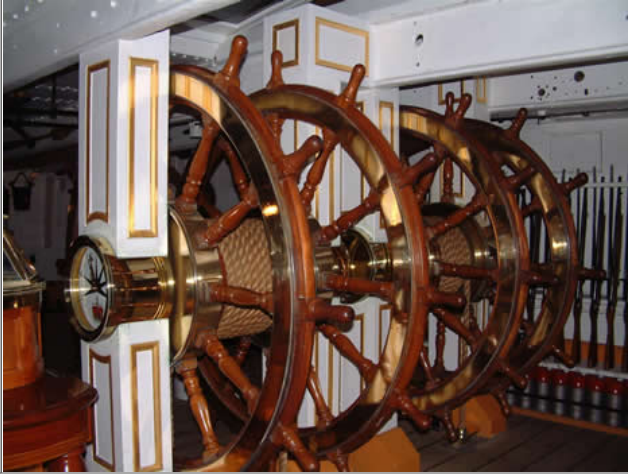
1	Victor Davidson	Masako Shinjoh and Tetsuo Hoshino	Carrie Wilmot
			
2	Jaap Jongejan	Marino Martinez-Carrion	Shinobu Itoh, comparing his view of Stonehenge with the standard Windows picture on his screen
			
3	Nigel Scrutton with a nice view of my morning walk through the concourse	Coffee queue headed, of course, by Mark and Paul	Hiroyuki Kagamiyama and Wada

4			
	Tetsuo Hoshino and Kenji Soda	Hirohide Toyama, Mamoru Yamada and Atsuko Satoh	Janos Retey - first met on a little train going up to Il Ciocco
5			
	Gianluigi Rossi, Scott Mathews, x	Kenji Kano	What it is all about: Scott Mathews, Gianluigi Rossi, Gianluigi's student, Victor Davdson and Arwen Pearson

			
6	Katsu Tanizawa, x, Larry Sayre, Shinobu Itoh, Carrie Wilmot, Andrea Rinaldo and Aldo Jogejan	Koji Sode, x, Masako Shinjoh, x, Osao Adachi	Ken Hirotsu x Nigel Scrutton x x
			

7	David Hopper, Tetsuo Hoshino, Arthur Oubrie, Helmut Gorisch, Bauke Dijkstra, Scott Mathews, me, Mamoru Yamada	Reminder of the nice lecture theatre; Marek Sebela entertaining us	Victor Davidson and drinking buddies: Victor Davidson, Mitch Guss, Mike McPherson, Ivo Frebort, Marek Sebela and Dave Dooley
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TOP	Formal dinner on the Warrior Britain's first iron-hulled, armoured battleship, HMS Warrior 1860 . I arranged the formal Symposium dinner on the Warrior to provide some link to Southampton that would be remembered.		
			
		Murali, Hugh, Liz and Leigh Felton	Me and Leigh on the Warrior
			



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Hugh Me and Liz; thanks for their hidden support

Mark, Leighton, Paul and Nick

Leigh



Murali



Hiro Toyama x Masaaki Yasuda



x x Armando Di Donato, Rob John,x x x x



Saying thank you and goodbye



Jaap Jongejan saying thank you



Laura Bentic and Marino Martinez-Carrion with his usual happy smile

			
9	With Sjoukje Jongejan	With Jaap Jongejan	Nigel Scrutton, Mitch Guss, Peter Knowles, x, Mike McPherson, Arthur Oubrie, Bauke Dijkstra and Dave Dooley
			
10	x Liz Anthony, Gianluigi Rossi, me, Scott Mathews, Rob John	x x Jaap Jongejan, Sjoukje Jongejan	

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..... <u>TOP</u>	The Symposium Concert It is usual to provide some kind of entertainment on one evening so we had a concert, leaving tha bar open for those who could not cope. The agent who was arranging the Emperor piano trio for me persuaded me to have the second half of the concert performed by a youg trumpeter Alison Balsom who has become acknowledged as one of top trumet playeers in the world.
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	EMPEROR PIANO TRIO	ALISON BALSOM
TOP	They played a Haydn trio and then my choice of Shostakovich's great Op 67 piano trio. Magnificent	She was superb and very popular, playing works by Stanley, Takemitsu and Gershwin.

.....	Links to my PQQ sites	Summary of my research on PQQ and quinoproteins	Proposal (false) that PQQ is a vitamin	
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