

MICROBIOLOGY RESEARCH SEMINARS

AUTUMN 1988

These will be held in the Staff Common Room on MONDAYS at 1.00 p.m.
Coffee will be served. All are welcome. Suggestions for future topics
and speakers are always gratefully accepted.

Oct 17	An essential role for teichoic acids in cell walls of Gram-positive bacteria	Dr Mike Young
Oct 24	Degeneration of <i>Clostridium acetobutylicum</i> ; the final frontier	Clive Woolley
Oct 31	Studies on tempeh production from Quinoa and Cocho	Walter Peñaloza
Nov 7	Biotransformations, "the chemistry of living matter", and alcohol in excess	Eddie Tidswell
Nov 14	Cloning of creatinine imidohydrolase for use in medical diagnosis	Dr Anne Pennock
Nov 21	Hydrodynamic deposition; a novel method of cell immobilisation	Gary Salter
Nov 28	Conjugal gene transfer to clostridia	Dr Ross Williams
Dec 5	Evolutionary biology of <i>Crinipellis perniciosa</i>	Gareth Griffith

D.B.K.

MICROBIOLOGY RESEARCH SEMINARS

Spring 1989

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and speakers are always gratefully accepted.

- Jan 23 Microbial contamination of "sterile" plant material. Dr Muriel Rhodes-Roberts
- Jan 30 The use of video in teaching 1st-year microbiology. Mr Alvin Jones
- Feb 6 A microbiologist in the Amazons Dr John Hedger
- Feb 13 The host-pathogen interactions of witches' broom disease of cocoa. Helen Brownlee
- Feb 20 Electromicrobial biotransformations of carboxylates to alcohols, using Clostridium formicoaceticum. Eurig James
- Feb 27 Interactions of solvents with biomembranes as monitored with dielectric spectroscopy. Dr Natalia Stoicheva
- (March 2-4 GREGYNOG meeting)
- Mar 6 Biotechnology in China. Prof. Gareth Morris
- Mar 13 Enzyme immobilisation in aqueous and organic solvents. Dr Robert Walter

D.B.K.

MICROBIOLOGY RESEARCH SEMINARS

Autumn 1989

These will initially be held in the Staff Common Room on MONDAYS at 1.00 pm. Beginning November 6th, and depending on the state of the perestroika, these will instead be held in the Botany Lecture Theatre or a location to be advised. Coffee will be served. All are welcome. Suggestions for future topics and speakers are always gratefully accepted.

- Oct 16 Efficient conjugal transfer of plasmids from Escherichia coli to Clostridium acetobutylicum. Dr Ross Williams
- Oct 23 Pseudo-allelic behaviour of non-homologous genes in Bacillus subtilis. Dr Mike Young
- Oct 30 The quinol oxidase of Escherichia coli: binuclear sites and models for cytochrome oxidase. Dr John Ingledew (St Andrew's Univ.)
- Nov 6 The Xenova-UCW Expedition to Jatun Sacha. Dr John Hedger
- Nov 13 Chiral bioreductions via anaerobic cometabolism. Eddie Tidswell
- Nov 20 Reduction of carboxylates using Clostridium thermoaceticum and Clostridium formicoaceticum. Dr Neil Dixon
- Nov 27 Tempe: production, growth and analysis Walter Peñaloza
Chris Davey
- Dec 4 The physiology of Lactobacillus brevis Angus Thompson

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Spring 1990

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| Jan 22 | Real-time measurement of biomass accretion during solid-substrate fermentations (tempe) | Chris Davey
Walter Peñaloza |
| Jan 29 | The physiology of <u>Lactobacillus brevis</u> | Dr Angus Thompson |
| Feb 5 | Ecophysiology and rhizomorphs of higher tropical fungi | Peter Lewis |
| | The <u>Solanum</u> type of <u>Crinipellis pernicios</u> | Fiona Wilson |
| Feb 12 | Biofilms | Gerard Markx |
| Feb 19 | Immobilised cells | Gary Salter |
| Feb 26 | Water supplies for the food industry | Dr Muriel Rhodes-Roberts |

GREGYNOG MEETING (Feb 28 - Mar 1)

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| Mar 12 | The search for a hydratase: acrylase | George Truby |
| | Bioreductions using <u>Lactobacillus</u> | Keith Warriner |
| Mar 19 | Pulsed-field gel electrophoresis: chromosome mapping in bacteria | Shane Wilkinson |
| Mar 26 | To be announced | |

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| Oct 15 Nonlinear dielectric spectroscopy - a novel method
for the analysis of enzymatic behaviour <u>in situ</u> | Dr Douglas Kell |
| Oct 22 Recombination between reiterated sequences
in the <u>Bacillus subtilis</u> chromosome does
not occur by unequal crossing-over | Dr Svetlana Stojanovic |
| Oct 29 Ecology of fungi in Vararata National Park,
Papua New Guinea | Dr John Hedger |
| Nov 5 The metabolism of <u>Lactobacillus vaccinostrercus</u> | Keith Warriner |
| Nov 12 Studies on tropical forest rhizomorph systems in
Papua New Guinea | Peter Lewis |
| Nov 19 Enhanced ketone reductase mutants of
<u>Clostridium tyrobutyricum</u> | Eddie Tidswell |
| Nov 26 Modelling the interactions of Streptomyces
and their phage | Dr Lesley Manchester |
| Dec 3 Stress physiology of <u>Chlorococcum submarinum</u> | Dr John Blackwell |

D.B.K

MICROBIOLOGY RESEARCH SEMINARS

Spring 1991

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Jan 14	Microbiology in Multan	Dr Muriel Rhodes Roberts
Jan 21	No Seminar	
Jan 28	Streptomyccete phages in soils	Dr Lesley Manchester
Feb 4	Pulsed-field gel electrophoresis and genome mapping	Shane Wilkinson
Feb 11	Witches' Broom disease in Brazil	Fiona Wilson
Feb 18	Biotransformations using lactic acid bacteria	Dr Angus Thompson
Feb 25	To be announced	Prof. J.G. Morris
Mar 4	Biological aspects of coastal water quality	Mr Alvin Jones
Mar 11	GREGYNOG MEETING	

D.B.K.

MICROBIOLOGY RESEARCH SEMINARS

Spring 1992

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Feb 3	Gluconate metabolism in <i>Lactobacillus subicus</i>	Keith Warriner
Feb 10	Identification of industrially important actinomycetes	Dr Lesley Manchester
Feb 17	Dielectric properties of cell suspensions at high volume fractions	Dr Chris Davey
Feb 23	Simulation of enzymatic biosensors exploiting thresholding technology	Chris Greenshaw
Mar 2	Isolation and characterisation of <i>Carnobacterium</i>	Ana Toole
Mar 9	GREGYNOG MEETING	
Mar 16	Oxidative stress	Prof. Gareth Morris

D.B.K.

MICROBIOLOGY RESEARCH SEMINARS

Spring 1993

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Feb 1	Life at low GC content	Dr Mike Young
Feb 8	Growth dynamics in turbidostatic culture	Hazel Davey
Feb 15	Tuberculosis - the greatest story never told	Dr Muriel Rhodes Roberts
Feb 22	Modelling microbial systems <i>via</i> a user-oriented approach	Pedro Mendes
Mar 1	Microflora of irradiated meat	Ana Toole
Mar 8	Shoot dieback of lodgepole pine caused by <i>Ramichloridium pini</i>	Rachel James
Mar 15	GREGYNOG MEETING	
Mar 22	Title to be announced	Prof. Gareth Morris

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Autumn 1993

These will be held at 1 p.m. in the Botany Lecture Theatre. All are welcome.
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Oct 11	The use of conjugative transposons to study the genetics of the pathogen <i>Clostridium difficile</i>	Dr Peter Mullany St Bartholomew's Hospital Medical School, London
Oct 18	Dormancy in non-sporulating bacteria	Dr Arseny Kaprelyants
Oct 25	Hyper-recombination in sporulating <i>Bacillus subtilis</i>	Dr Mike Young
Nov 1	Trawling through the debris: rapid and quantitative analysis of biosystems using pyrolysis mass spectrometry	Dr Roy Goodacre
Nov 8	Dielectric properties of biological cell suspensions at high volume fractions	Dr Chris Davey
Nov 15	PBSX: a curious genetic element of <i>Bacillus subtilis</i>	Prof. David McConnell, Trinity College, Dublin
Nov 22	Actinomycetes and bacteria in high-rate composting systems	Louise Halestrap
Nov 29	Canopy rhizomorphs	Sandy Pollitt
Dec 6	Teichoic acid biosynthesis in <i>Bacillus subtilis</i>	Shirley Marriott

D.B.K.

MICROBIOLOGY RESEARCH SEMINARS

Spring 1994

These will be held at 1 p.m. in the Botany Lecture Theatre. All are welcome.

Suggestions for future topics and speakers are always gratefully accepted.

Jan 24	Use of mycorrhizal inoculants for the reestablishment of sessile oak on open-cast mine sites	Paul Lunt
Jan 31	Recombination in sporulating <i>Bacillus subtilis</i>	Dr Mike Young
Feb 7	The Laboulbeniales	Dr John Hedger
Feb 14	Actinomycetes and bacteria in high-rate composting systems	Louise Halestrap
Feb 21	GREGYNOG MEETING	
Feb 28	Metabolic channelling and the control of fluxes and pool sizes	Pedro Mendes
Mar 7	The physical map of <i>Clostridium acetobutylicum</i>	Dr Shane Wilkinson
Mar 14	Optimisation of biotransformations in organic solvents	Dr Gary Salter
Mar 21	Title to be announced	Prof. Gareth Morris

D.B.K.