

Friends of Imperial College
Membership form

Please support Friends by joining and paying an annual subscription, preferably by Standing Order. Please fill in both sides of the form sections 1 to 4 and send it to Jill Cook, Friends' Administrator at the address below.

Annual subscription costs £20 per individual member.

Membership forms are also available to download online at:

www.friendsofimperial.org.uk

1. Applicant information

Title First name

Last name

Email

Phone

Address

Postcode Country

Please indicate your connection with Imperial College by ticking one or more of the following:

Alumnus Staff Student Parent Live locally

Donor Other None

Please send your membership form by post (together with your cheque if applicable) to:

The Administrator
Friends of Imperial College
30 Gloucester Road, New Barnet, Herts, EN5 1RZ
Email: admin@friendsofimperial.org.uk

Telephone enquiries to Jill Cook:
020 8441 6229

An invitation to join Friends of Imperial College

Friends organises lectures, visits and social events at Imperial College, a world-leading science-based university with an academic faculty of the very highest international quality and reputation.

Friends offers you the opportunity to explore many areas of science, technology and medicine. One of our aims is to keep the public informed of the great scientific advances being made in a way that the non-specialist can understand. Our lectures have received considerable praise for their clarity and interest – and the socialising is fun too.

Our programme this year has world-class speakers and provides unique opportunities to go behind the scenes of College departments to find out what is really happening. Afterwards, you can meet our speakers and other guests over refreshments. A *Friends'* table is booked in a nearby restaurant for those who wish to continue enjoying the evening.

Membership of *Friends* offers you reduced prices for our events, membership of Ethos, the sports centre in Prince's Gardens, as well as some courses and other facilities at the College. By joining *Friends* you will be supporting our mission of widening knowledge of science amongst the public. You will also be supporting the Student Opportunities Fund to which we make a substantial donation each year.

If you would like to join a lively-minded group of people interested in all aspects of science, then *Friends* is for you. To know more, visit our website, or simply come along to one of our events as a guest: you will be very welcome. To become a member, fill in the membership form on this programme and return it to us.

We look forward to seeing you soon.



Roderick Rhys Jones
Chairman, Friends of Imperial College

Friends of Imperial College,
30 Gloucester Road, New Barnet EN5 1RZ

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Email: admin@friendsofimperial.org.uk

FRIENDS SUPPORTS THE STUDENT OPPORTUNITIES FUND

Imperial College
London

Friends of Imperial College
2010-2011
Programme of events

WELCOME

FRIENDS SUPPORTS
THE STUDENT OPPORTUNITIES FUND

www.friendsofimperial.org.uk



2010-2011 Programme of events

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BIOMEDICAL ENGINEERING

■ WEDNESDAY 22 SEPTEMBER 2010 6.15 PM

MEMBERS AND THEIR GUESTS ONLY

Behind-the-scenes

@ Institute of Biomedical Engineering

Professor Christofer Toumazou, Chief Scientist and Director, Institute of Biomedical Engineering. Professor Ross Ethier, Chair of Biomechanics, Imperial College

New technology is being adapted to enable people to lead independent and productive lives despite illness, ageing and disability. View what is happening in bionics, biosensors, imaging, medical robotics, bio-medical materials and nanotechnology.

MEDICINE

■ TUESDAY 19 OCTOBER 2010 7.00PM

The end of ageing

Professor Nadia Rosenthal, Chair in Cardiovascular Science, Scientific Director, National Heart and Lung Institute, Imperial College

Starfish and planarium can regenerate their bodies. Starfish can grow back arms in a matter of weeks—and a planarium is so full of stem cells that one becomes more if cut into pieces. So if they can do it, why can't we?

PHYSICS

■ TUESDAY 16 NOVEMBER 2010 7.00PM

How the sun influences climate

Professor Joanna Haigh, Chair of Atmospheric Physics, Head of Department of Physics, Imperial College, Member of the Royal Society Working Group on Geoengineering

Recent satellite measurements of the sun's ultraviolet, visible and infrared energy output show unexpected large variations leading to hitherto unexpected variations in the atmosphere. What are the implications for climate change? What might be done to mitigate solar radiation through management techniques?

PHILOSOPHY/COMPUTING

■ TUESDAY 8 FEBRUARY 2011 7.00PM

Can humanity survive in the age of information?

Emeritus Professor Igor Aleksander, Senior Research Investigator, Department of Electrical and Electronic Engineering, Imperial College

In this age of information some seem lost without their i-phones or other informational gadgets while others are totally alienated by them. What is the role of 'information'? How does the brain translate it into 'mind'?

PHYSICS/MATHEMATICS

■ THURSDAY 17 MARCH 2011 7.00PM

The secret life of chaos

Professor Jim Al-Khalili, Chair of Theoretical Physics, University of Surrey, Chair of the Public Engagement in Science

Chaos theory is blamed for much human distress but it also answers the questions: how does a universe starting as exploding dust end up with intelligent life? How does order emerge from disorder?

CHEMISTRY

■ WEDNESDAY 13 APRIL 2011 6.15PM

MEMBERS AND THEIR GUESTS ONLY

Behind-the-scenes

@ Nanostructured Materials and Devices Group

Dr Charlotte Williams, Senior Lecturer, Nanostructured Materials and Devices Group, Imperial College

The group specialises in the synthesis, characterisation and exploitation of semiconductor and nanostructured materials for novel applications in optoelectronics, photonics, nanotechnology and chemical/biological analysis.

CHEMICAL ENGINEERING/HEALTH CARE

■ THURSDAY 12 MAY 2011 7.00PM

Swarm robots – the future of drug delivery?

Dr Frantisek Stepanek, Reader in the Department of Chemical Engineering, Imperial College, Associate Professor at the Institute of Chemical Technology, Prague

Microscopic chemical robots are being designed that adopt the characteristics and communications techniques of swarms of birds and insects to deliver drugs in new ways within the human body.

PHYSICS

■ THURSDAY 9 JUNE 2011 7.00PM

Quantum mechanics and reality – does God play dice?

Dr Antony Valentini, Research Associate, Theoretical Physics Group, Imperial College

Dr Valentini believes that there is an objective reality behind the things we observe. Quantum uncertainty is not fundamental. Time is universal not relative and at the beginning of the universe some things acted faster than light.

TICKETS FOR LECTURES AND BEHIND-THE-SCENES VISITS:
MEMBERS £5, COLLEGE STAFF £3, STUDENTS £3, ALUMNI £10,
OTHERS £10.

Friends of Imperial College Membership form

2. Payment method

Please indicate how you would like to pay your subscription. A standing order is preferred.

I wish to pay for my subscription by the following means:

- Standing order by post (3a and 4 below)
 Standing order by internet (3b and 4 below)
 Internet Credit Transfer to Natwest Bank (4 below)
 Cheque by post payable to Friends of Imperial College (4 below)

3. Standing order authority (Complete 3a or 3b)

3a. BY POST

NAME OF BANK/BUILDING SOCIETY		
To		
BRANCH		SORT CODE
BANK		SORT CODE
Please pay	NatWest	South Kensington Station 51-50-01
ACCOUNT NUMBER	ACCOUNT NAME	
64615626	Friends of Imperial College London	

DATE OF FIRST PAYMENT*

The sum of twenty pounds (£20) on

and on 1 October annually thereafter

NAME OF ACCOUNT

ACCOUNT NUMBER

from my/our account

*Please date two weeks ahead to allow time for processing.

3b. BY INTERNET

Please set up your standing order using your internet account using the information above and using the reference "Membership" for the payment to differentiate from other payments you may make.

I confirm that I have set up a standing order from my/our Internet Bank payable to Friends of Imperial College at Nat/West Bank, South Kensington Station, SW7 2LB, Sort Code 51-50-01, Account Number 64615626, for an immediate first payment of £20 and on 1 October annually thereafter.

4. Authorisation

I have arranged payment to Friends of Imperial College as indicated above:

SIGNATURE(S) DATE / /

Please send this form by post to: Administrator
Friends of Imperial College, 30 Gloucester Road, New Barnet, EN5 1RZ