



UNIVERSITY OF
BIRMINGHAM

#EuroBIC14

EuroBIC 14

BIRMINGHAM, UK

26-30 AUG 2018



14th European Biological Inorganic Chemistry Conference

Conference Programme

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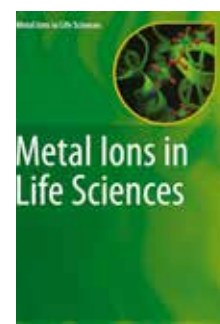
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UNIVERSITY OF
BIRMINGHAM



THE

BARBER
INSTITUTE OF
FINE ARTS



LAPWORTH
MUSEUM OF GEOLOGY



A Big Bio-inorganic welcome to Birmingham

On behalf of the Local and International Organising Committees, we are delighted to welcome you to Birmingham for the 14th EuroBIC.

This is the first time the UK welcomes EuroBIC back since the very first EuroBIC in Newcastle in 1992; we have been delighted by the enthusiasm and support not only in the UK but from the 400 or so people across the world who join us for the meeting. We have a truly outstanding programme with 8 plenary lectures, a EuroBIC medal winner, 27 distinguished keynote speakers, 93 invited lectures, and 56 very exciting oral presentations, mainly from early career researchers. Our speakers represent 35 different countries. From the number and quality of the abstracts submitted, the poster session, with 190 delegates presenting across two sessions, promises to be a highlight of the meeting. To give wider exposure to these presentations, we are piloting something new this year: 1 minute video presentations running on screens around the venue throughout the meeting, giving poster presenters a new way to pitch their posters. We are intrigued to see how this works out!

The attraction of a big scientific meeting is the chance to discuss your results with the very best in the world and to exchange knowledge and ideas across cultures and countries, and be exposed to different thoughts and ways of thinking. We open this meeting with two 'Vision in Bioinorganic Chemistry' plenary lectures from two of the UK's most distinguished bioinorganic chemists. They will challenge speakers and audience to think about future paradigms throughout the week.

For early career researchers, we will hold a special event on Monday to add a little Spice to your stay: a chance to interact with a selection of some senior speakers in an informal setting. Your mission at Birmingham is to not be shy but to talk to as many speakers as you can!

If you need a breather from the intensity of the science on offer, our free campus museums are just a ten minutes walk from the venue: The Barber Institute (campus map R14) displays works by Monet, Manet and Magritte; Renoir, Rubens, Rossetti and Rodin; Degas, Delacroix and Van Dyck – as well as Botticelli, Poussin, Turner, Gainsborough, Gauguin, Van Gogh, Bellows, Hodgkin and Auerbach... It rightly enjoys a reputation for being one of the finest small art galleries in Europe.

If Dinosaurs are your thing, then head over to the Lapworth Museum which also houses the UK's most outstanding rock, fossil and mineral collections (map R4). Alternatively you can wander down to the 'Green Heart' at the centre of campus to see our historic buildings, where we will hold the conference dinner in the Great Hall, and the distinctive 100m tall clock tower, Old Joe.

Organising a meeting like this takes considerable effort. Scientific colleagues who have helped to create this meeting are highlighted on page 8, but a special thanks must go to Dave, Liz, George and all the team in the MDS Centre for Professional Development for all their hard work and good cheer.

We are very much looking forward to five days of exciting science and wish everyone a most successful meeting!

Mike Hannon and Zoe Pikramenou
Co-chairs, EuroBIC 14



A dark silhouette of a city skyline is positioned along the horizon line. On the right side, a tall, slender clock tower with a pointed roof and a small white circle near the top stands out. To its left, there are several smaller buildings with domes and spires. The background is a solid light gray, and the foreground is a solid dark blue.

GENERAL INFORMATION

EuroBIC14

COMMITTEES

Local Organising Committee

- ◉ **Professor Mike Hannon,**
University of Birmingham



- ◉ **Professor Zoe Pikramenou,**
University of Birmingham



- ◉ **Dr Anna Peacock,**
University of Birmingham



- ◉ **Dr Isolda Romero-Canelón,**
University of Birmingham



- ◉ **Dr Ruchi Gupta,**
University of Birmingham



- ◉ **Dr Rob Neely,**
University of Birmingham



International Organising Committee

- ◉ **Professor Eva Freisinger,**
University of Zurich, Switzerland



- ◉ **Professor Mike Hannon,**
University of Birmingham, UK



- ◉ **Professor Zoe Pikramenou,**
University of Birmingham, UK



- ◉ **Professor Tamas Kiss,**
University of Szeged, Hungary



- ◉ **Professor Imre Sóvágó,**
University of Debrecen, Hungary



- ◉ **Professor Sigidur Suman,**
University of Iceland



We would like particularly to thank Nick Le Brun (UEA) and the committee of the RSC Inorganic Biochemistry Discussion Group, and Emma Raven (Bristol) chair of the RSC Dalton Division Council for their advice and support. Together with Anne-Kathrin Duhme-Klair (York), Paul Walton (York), Claudia Blindauer (Warwick), Fraser Armstrong (Oxford), Angela Cassini (Cardiff), David Garner (Nottingham), Peter Sadler (Warwick) and many colleagues across the world, they have acted as a sounding board for ideas, given wise counsel and helped shape the programme.

VENUE

INFORMATION

College of Medical and Dental Sciences
University of Birmingham
Vincent Drive
Edgbaston
Birmingham
B15 2TT

Email: med-cpdbookings@contacts.bham.ac.uk

Tel: +44 (0)121 414 8605/8606/4808

WiFi

Free wi-fi access is available throughout the conference, connect to either 'eduroam' or 'WiFiGuest'. If using 'WiFiGuest' open a browser and visit service.thecloud.net, click 'Get online at Edgbaston Campus' and follow the on screen instructions to create an account.

Campus Accommodation

Chamberlain Halls,
Birmingham,
B15 3SZ

Internet access available in all rooms, please ask at The Shackleton reception 24 hour reception. There is a general stores and an ATM machine within main reception.

Breakfast will be served between 7:00am and 9:00am in the Shackleton Restaurant, please note that it is a very busy time of year and we advise you get to breakfast as early as possible.

Check out by 10am on date of departure.

Taxis – TOA Taxis – +44 (0)121 427 8888

Registration

The registration desk is situated on the ground floor of the Wolfson Centre for Medical Education, within the Medical School and will be open throughout the meeting.

Name Badges

Please wear your name badge at all times during the conference and to Conference Dinner. If you lose your badge at any time, please inform a member of the conference team situated at the registration desk and they will provide you with a replacement.

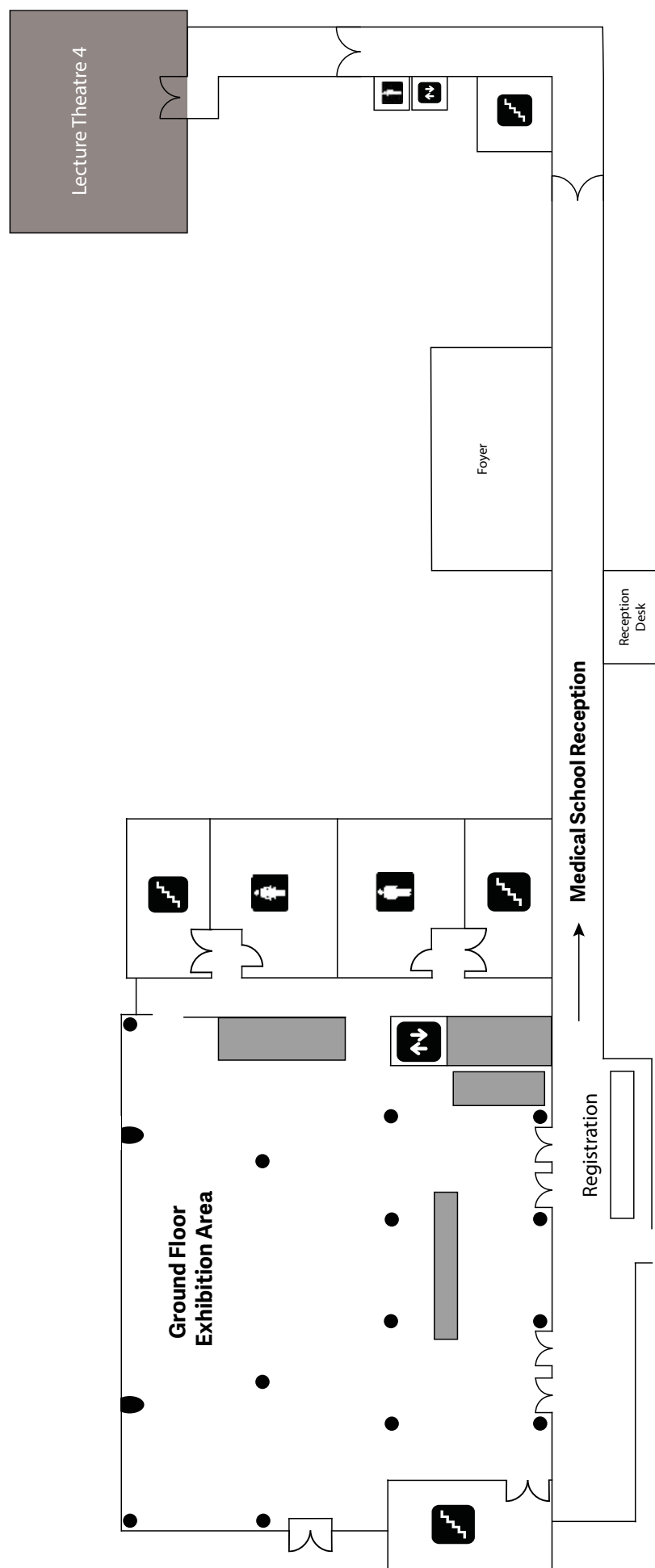
Cloakroom

A cloakroom facility is available, please ask a member of the registration team to direct you.

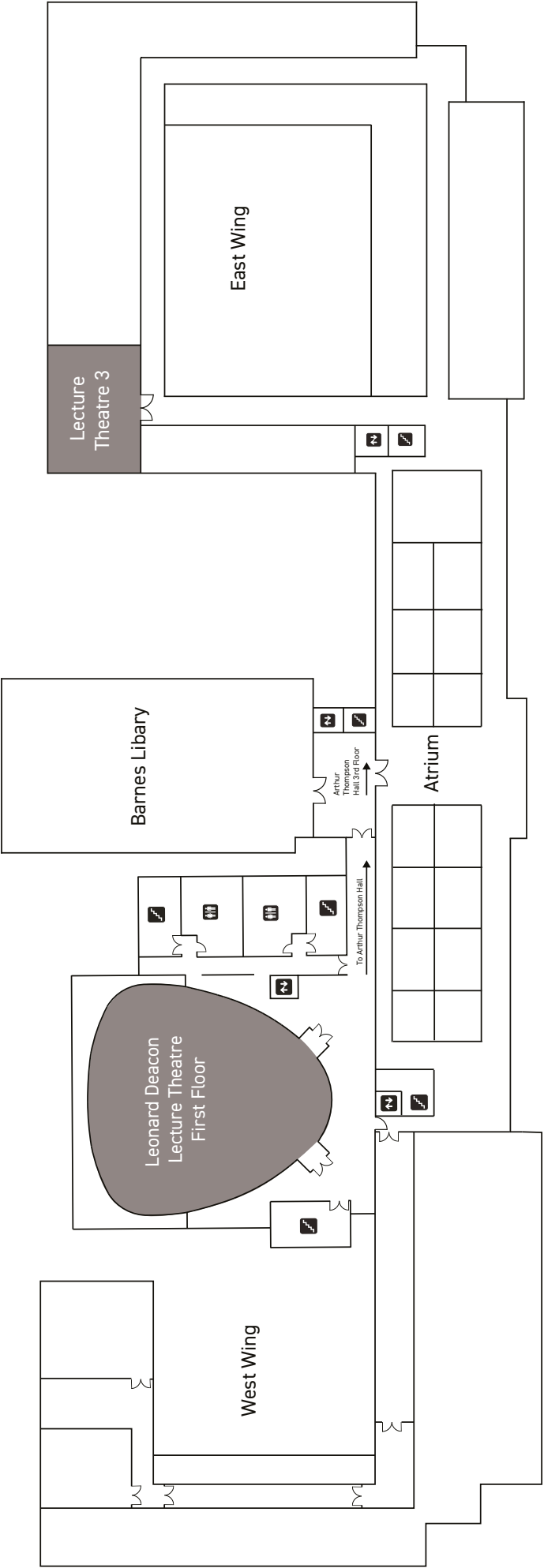
Items may not be left overnight.

GROUND FLOOR

GENERAL INFORMATION

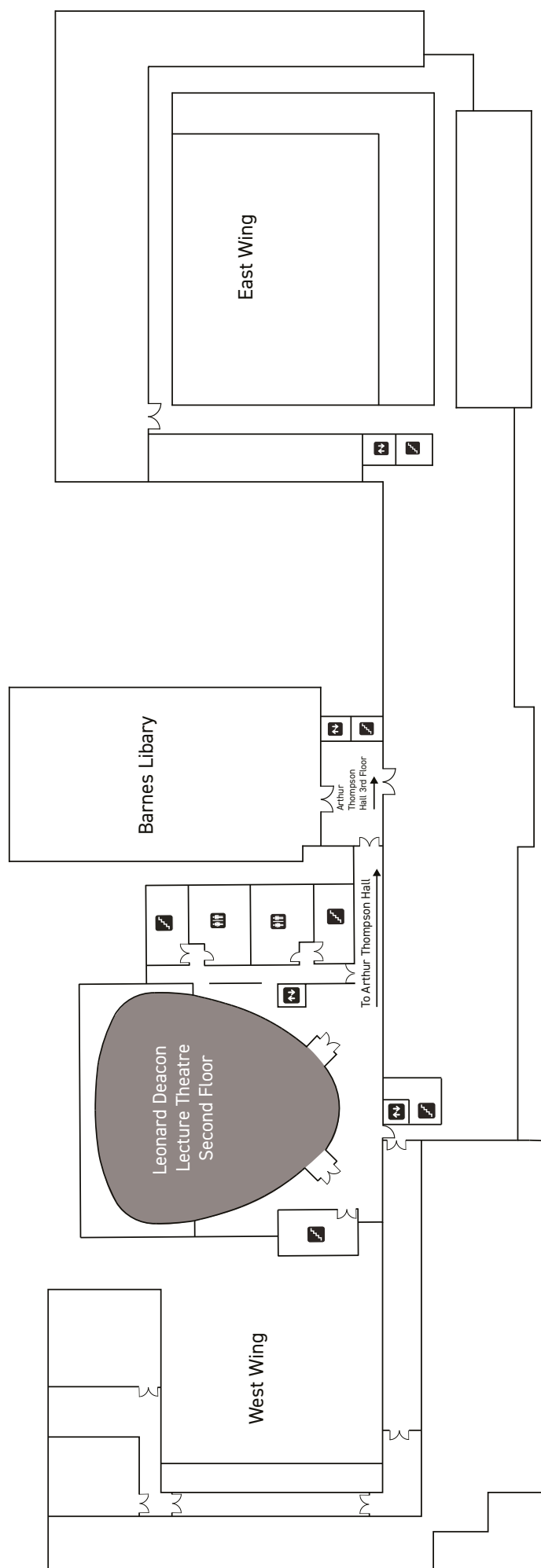


FIRST FLOOR



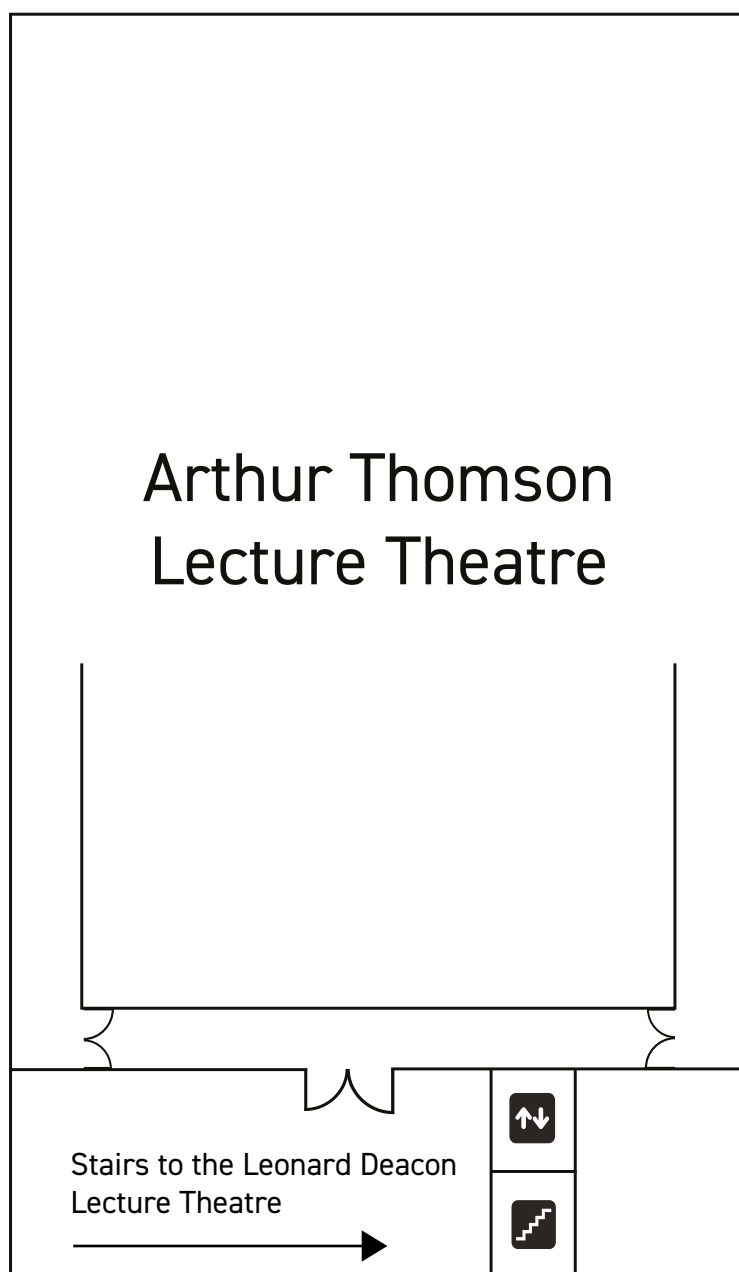
SECOND FLOOR

GENERAL INFORMATION



THIRD FLOOR

The Arthur Thomson Lecture Theatre is based on the third floor and can be accessed via the stairs or lift from the ground, first and second floors.



SOCIAL EVENTS AND EXCURSIONS

Early Career Researcher Network Dinner, Monday 27th August from 19.00



Venue: Regency Wharf, Broad Street, Birmingham, B1 2DS.

Inspired by feedback from early career researchers at previous EuroBIC meetings, this dinner event will enable early career researchers to make new contacts in the community, both by meeting other ECRs and also having the opportunity to engage with a selection of our senior speakers in an informal setting.

Please note: Postdocs and PhD students only.

Sponsored by RSC Dalton Division



Conference Banquet, Thursday 30th August, 19.00 - 23.00



Dinner Venue: Great Hall, Aston Webb Building, University of Birmingham, B15 2TT (Building R6 on the campus map)
Trains run from the University station until 23:43 back into the city centre, alternatively you can phone a taxi by calling +44 (0)121 427 8888

Excursions during the afternoon of Wednesday 29th August

Birmingham Panoramic Tour



Come and discover the hidden secrets of Britain's Second City, a place brimming with surprises. Canals, chocolate, jewellery, guns, cars, planes and much, much more have been made in this city which is now in process of reinventing itself as one of the UK's "must-see" destinations. Our professional guide will uncover some of the secrets of a place more and more people are discovering.

Stratford-upon-Avon



A medieval market town in England's West Midlands, steeped in history with many half-timbered buildings from medieval times. The 16th-century birthplace of William Shakespeare, possibly the most famous writer in the English language, Shakespeare is known for his sonnets and plays such as 'Romeo and Juliet' and 'Hamlet'. The Royal Shakespeare Company performs his plays in the Royal Shakespeare Theatre and adjacent Swan Theatre on the banks of the River Avon. Our professional guide will tell us all about the man himself and the landscape that inspired him and we'll also visit the fine timber-framed town house in which he was born. Stratford is also a great place for unusual independent shops for that special souvenir or gift.

Black Country Living Museum



The Black Country Living Museum is the curious name given to the industrial area to the North and West of Birmingham, where coal mining and iron making rendered the skies "black by day and red by night".

Since the 1970s a reconstruction of a typical industrial village has taken shape near the town of Dudley, where it's possible to wander in and out of buildings as though you're living in that era. There are houses, a cinema, chapel, pub, school, general store and workshops all to be explored and our guide will tell you the best bits to discover. In recent times the award-winning television drama "Peaky blinders" has had several of its iconic scenes filmed here, including in the numerous back alleyways, the canal bridge and the blacksmith's shop."

Warwick Castle



One of Europe's largest surviving castles overlooks the River Avon at Warwick, a pretty, old-fashioned town which was once much more important than Birmingham! The castle has been both a fortress and a fine country home and its walls have many stories to tell (helped by our professional guide!). There are tales of murder, torture, battles and plague.....but if that's all too much then immerse yourself in the waxwork recreation of a late 19th century weekend party.

WHAT TO DO IN BIRMINGHAM

University Attractions

Winterbourne House & Garden

Restored to its Edwardian Arts and Craft splendour, Winterbourne House is a unique heritage attraction set within seven acres of beautiful botanic gardens. Winterbourne is a hidden gem, home to beautiful antiques and over 6,000 plant species from around the world. Wander along the woodland walk, stroll through the hazelnut tunnel, cross the 1930's Japanese Bridge or simply soak up the tranquillity of this perfectly English Edwardian home.

Located on Edgbaston Park Road, a few minutes' walk from The Vale

www.winterbourne.org.uk

Opening Times: 10:30am – 5:30pm, Admission fee £6

Barber Institute of Fine Arts

Situated on the main campus of the University of Birmingham is the Barber Institute of Fine Arts which contains one of the finest small collections of European art in the UK. Featuring works from 13th to the 20th century, it is a near-perfect gathering of some of the most influential artists of the previous millennium. The collection is made up of paintings, drawings, prints and sculpture. Among the artists represented are Bellini, Botticelli, Rubens, Van Dyck, Rembrandt, Monet, Degas, Matisse just to name a few.

Located near the East Gate on Main Campus

www.barber.org.uk

Opening Times: Monday - Friday 10:00 – 17:00, Saturday and Sunday 11:00 – 17:00, Admission is Free

Lapworth Museum of Geology

Enabling visitors to explore life over the past 3.5 billion years, the Lapworth Museum showcases exceptional objects from one of the UK's most outstanding geological collections, with state-of-the-art galleries and a range of innovative and interactive exhibits - all completely free of charge.

From rocks and fossils to volcanoes, earthquakes, and even dinosaurs, the Museum captures the imagination of all ages.

Located within the Aston Webb A Block building - the building is marked as R4 on the campus map.

www.birmingham.ac.uk/lapworth-museum

Opening Times: Monday - Friday: 10am - 5pm, Saturday and Sunday: 12 noon - 5pm, Admission is Free

University of Birmingham Blue Plaque and Sculpture Trails

There have been many influential achievements by brilliant men and women who have worked at the University of Birmingham since its earliest days. Scientific discoveries, artistic creations and inventions of international significance have taken place here. Some of those responsible have been appropriately honoured with national and international awards including the Nobel Prize.

The Blue Plaques highlight these special achievements and celebrate those who have helped to shape our heritage as a research university. The Blue Plaques are markers which we hope will inspire all who pass by.

The Campus Sculpture trail allows you to explore the range of styles, subjects and shapes of sculpture on the University's Edgbaston campus. The *Faraday* Bronze Sculpture was commissioned to mark the centenary of the University of Birmingham's Royal Charter, this is located near the train station.

www.collections.bham.ac.uk

Campus Bars

In the Vale Village, within the Shackleton building is the Duck and Scholar. Reception staff will be able to advise on opening times.

On campus in University Centre is the Bratby Bar, opening times;
Tuesday - Friday: 12.00 - 22.30

Local Information

Bars, Pubs, Restaurants and Shops

Here are a few examples but more information can be found online.

Near to the University Campus:

Harborne Village

A 20 minute walk from the Vale accommodation, the High Street offers everything you could need; an abundance of bars, coffee shops, restaurants to suit all tastes. We recommend the Plough (excellent food), The Junction (excellent beer) and the Arco Lounge (excellent coffee).

Birmingham City centre:

Bacchus Bar

www.nicholsonspubs.co.uk/bacchusbarbirmingham

A little gem, hidden in plain sight in the Burlington Arcade, just off New Street in the heart of the City.

Mailbox

www.mailboxlife.com

Home to a number of upmarket shops, hotels, restaurants, bars and city centre apartments. The front faces out towards the City centre and New Street Station whilst the rear opens onto the canals around Gas Street Basin and the Cube.

The Bullring

www.bullring.co.uk

It's here that you'll find Selfridges and lots of other shops.

Grand Central

Part of the Bullring Estate, Grand Central is Birmingham's newest prime shopping centre, located above New Street Station and next to Bullring.

Anchored by a 250,000 sq ft. John Lewis store, the centre offers brands including Hobbs, The White Company, Cath Kidston and Carluccio's.

You'll find all Grand Central has to offer in the Shops and Restaurant directory as well as the centre map by visiting www.bullring.co.uk

Café Ikon and Gallery

www.ikon-gallery.co.uk

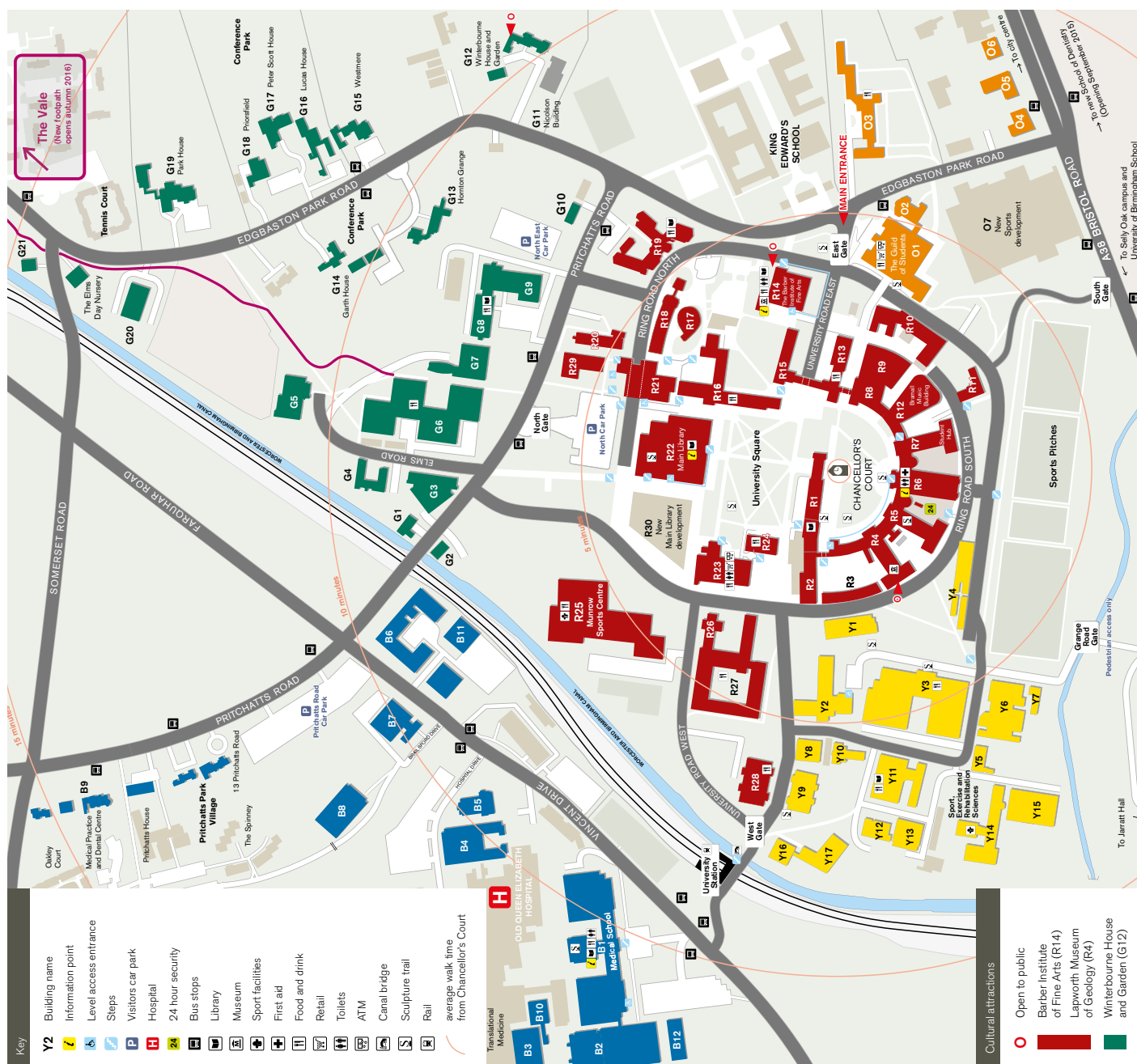
A very pleasant café/restaurant in Brindley Place, right by the ICC. Great food, great service, great prices. Open for lunch and dinner.

Indian cuisine:

The Balti Triangle

www.balti-birmingham.co.uk

Birmingham's Balti Triangle is the epicentre of Balti cuisine. Recently listed by the Rough Guide as 'one of the top 25 things to do in Britain before you die' there are around 50 restaurants in this area, located in the Sparkhill region around Ladypool Road and it's all just a 10 minute taxi ride from the City Centre.



Edgbaston Campus Map

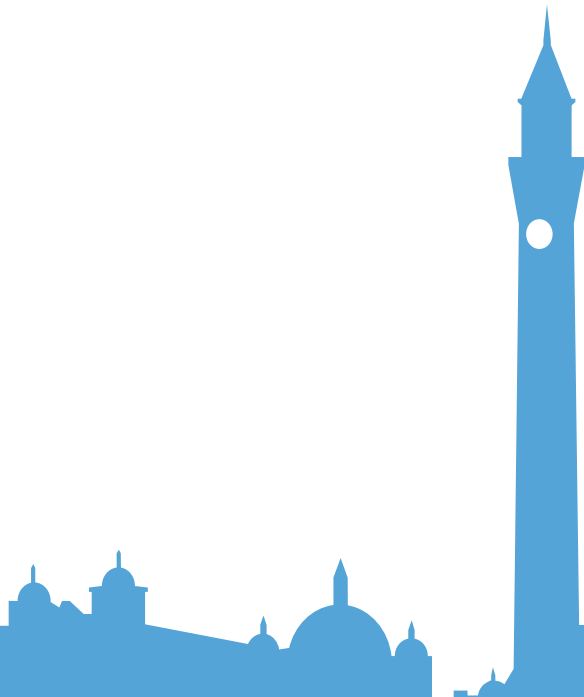
Index to buildings by zone

Red Zone	R1 Law Building R2 Frankland Building R3 Hills Building R4 Aston Webb – Lapworth Museum (Reopening 2016) R5 Aston Webb – B Block R6 Aston Webb – Great Hall R7 Aston Webb – Student Hub (Opening September 2015) R8 Physics West R9 Nuffield R10 Physics East R11 Medical Physics R12 Bramall Music Building R13 Poynting Building R14 Barber Institute of Fine Arts R15 Watson Building R16 Arts Building R17 Ashley Building R18 Strathcona Building R19 Education Building R20 J G Smith Building R21 Muirhead Tower R22 Main Library R23 University Centre R24 Staff House R25 Munrow Sports Centre R26 Geography R27 Biosciences Building R28 Murray Learning Centre R29 Postgraduate Centre (under construction) R30 New Library (under construction)	Orange Zone	O1 The Guild of Students O2 St Francis Hall O3 University House O4 Ash House O5 Beech House O6 Cedar House O7 New Sports Development (under construction)
Green Zone	G1 32 Pritchatts Road G2 31 Pritchatts Road G3 European Research Institute G4 3 Elms Road G5 Computer Centre G6 Metallurgy and Materials G7 IRC Net Shape Laboratory G8 Gisbert Kapp Building G9 52 Pritchatts Road G10 54 Pritchatts Road G11 Nicolson Building G12 Winterbourne House and Garden G15 Westmere G18 Priorsfield G19 Park House G20 Elms Plant G22 Elms Day Nursery Green Zone Conference Park G13 Hornton Grange G14 Garth House G16 Lucas House G17 Peter Scott House	Blue Zone	B1 Medical School B2 Institute of Biomedical Research including IBR West B3 Wellcome Clinical Research Facility B4 Robert Aitken Institute for Clinical Research B5 CRUK Institute for Cancer Studies and Denis Howell Building B6 Research Park B7 90 Vincent Drive B8 Henry Wellcome Building for Biomolecular NMR Spectroscopy B9 Medical Practice and Dental Centre B10 Advanced Therapies Facility B11 BioHub Birmingham B12 Health Sciences Research Centre (HSRC)
Yellow Zone	Y1 Old Gymnasium Y2 Haworth Building Y3 Mechanical and Civil Engineering Building Y4 Terrace Huts Y5 Estates West Y6 Maintenance Building Y7 Grounds and Gardens Y8 Chemistry West Y9 Computer Science Y10 Alta Bioscience Y11 Chemical Engineering Y12 Biochemical Engineering Y13 Chemical Engineering Workshop Y14 Sport, Exercise and Rehabilitation Sciences Y15 Civil Engineering Laboratories Y16 Occupational Health Y17 Public Health	Cultural attractions	Open to public Barber Institute of Fine Arts (R14) Lapworth Museum of Geology (R4) Winterbourne House and Garden (G12)

Chemistry's new Teaching Laboratories, opening September 2018.

A new £80 million Molecular Sciences Research Building is being scheduled for completion in 2022.



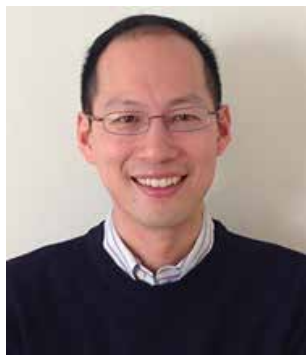
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SPEAKER LIST

PLENARY LECTURERS



Professor Alison Butler
University of California
Santa Barbara, USA



Professor Chris Chang
Berkeley University, USA



Professor Serena DeBeer
Max Planck Institute for
Chemical Energy Conversion
Mullheim, Germany



Professor Zijian Guo
University of Nanjing, China



Professor Amy Rosenzweig
Northwestern University,
Illinois, USA



Professor Thomas Ward
University of Basel, Switzerland

'Vision in Bioinorganic Chemistry'

Plenary Lecturers



Professor Fraser Armstrong, FRS
University of Oxford, UK



Professor Peter Sadler, FRS
University of Warwick, UK

EuroBIC Medal 2018

Plenary Lecturer



Dr Gilles Gasser
PSL Research University, France

KEYNOTE LECTURERS



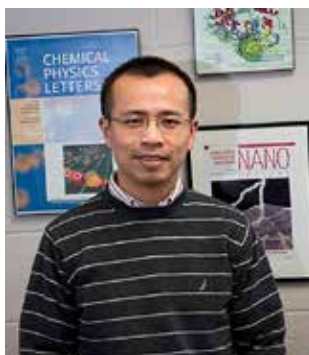
Professor Wee Han Ang
National University of
Singapore



Professor Silvestre Bonnet
Leiden University



Professor Angela Casini
Cardiff University



Professor Peng Chen
Cornell University



Professor Debbie Crans
Colorado State University



**Professor Anne-Kathrin
Duhme-Klair**
University of York



Professor Nick Farrell
Virginia Commonwealth University



Professor Kathy Franz
Duke University



Professor Eva Freisinger
University of Zurich



Professor Nick LeBrun
University of East Anglia



Professor Mi Hee Lim
Korea Advanced Institute of
Science and Technology (KAIST)



Professor Thomas Meade
Northwestern University



Professor Stephane Menage
Université de Grenoble Alpes



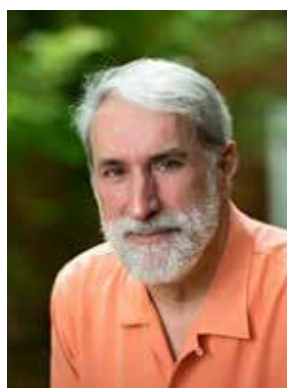
Professor Dr Nils Metzler-Nolte
Ruhr-University Bochum



Professor Janet Morrow
SUNY Buffalo



Professor Jens Müller
Westfälische Wilhelms-
Universität Münster



Professor Daniel Nocera
Harvard University



Professor Elizabeth Nolan
MIT

KEYNOTE LECTURERS



Professor David Parker, FRS
Durham University



Professor Vincent Pecoraro
University of Michigan



Professor Janez Plavec
National Institute of Chemistry
Ljubljana, Slovenia



Professor Emma Raven
Leicester University



Professor Olivia Reinaud
Universite Paris Descartes



Professor Roland Sigel
University of Zurich



Professor Hongzhe Sun
University of Hong Kong



Professor Paola Turano
University of Florence



Professor Paul Walton
University of York

SESSION

LECTURERS

Janice Aldrich Wright
University of Western Sydney

Matt Allen
Wayne State University

Ross Anderson
University of Bristol

Steve Archibald
Hull University

Wojciech Bal
Polish Acad Sci

Norah Barba Behrens
National Autonomous
University of Mexico

Giampaolo Barone
University of Palermo

Walter Berger
Medical University Vienna

Sue Berners-Price
Griffiths University

Claudia Blindauer
Warwick University

Péter Buglyó
University of Debrecen

Julea Butt
University of East Anglia

Peggy Carver
University of Michigan

Peng Chen
Peking University, Beijing

Rachel Codd
University of Sydney

Peter Comba
Heidelberg University

James Cowan
Ohio State University

Benoit D'Autreaux
University Paris Saclay

Sam de Visser
University of Manchester

Pascal Delangle
CEA Grenoble

Michael Devereaux
DIT Dublin

Abhishek Dey
Indian Association for the
Cultivation of Science

Paul Donnelly
University of Melbourne

Oliver Einsle
University of Freiburg

Andrea Erxleben
National University of Ireland
Galway

Christophe Fahrni
Georgia Tech

Peter Faller
University of Strasbourg

Dinorah Gambino
University of the Republic,
Uruguay, Montevideo

Patrick Gamez
University of Barcelona

Giovanna Ghirlanda
Arizona State University

Dan Gibson
Hebrew University of
Jerusalem

Phoebe Glazer
University of Kentucky

Trevor Hambley
University of Sydney

Hugh Harris
University of Adelaide

Christian Hartinger
University of Auckland

Takashi Hayashi
University of Osaka

SESSION

LECTURERS

Richard Hopkinson
University of Leicester

Andrew Houlton
Newcastle University

Christelle Hureau
LCC Toulouse

Masao Ikeda Saito
Tohoku University

Olga Iranzo
Aix-Marseille University

Shinobu Itoh
Osaka University

Anabella Ivancich
CNRS, Aix-Marseille University

Lars Jeuken
University of Leeds

Tia Keyes
Dublin City University

Christian Kowol
University of Vienna

Julie Kovacs
Washington University

Artur Krezel
Wroclaw University

Silke Leimkühler
University of Postdam

Per Lincoln
Chalmers University

Kenneth Lo
City University Hong Kong

Angela Lombardi
University of Naples Federico II

Claudio Luchinat
University of Florence

Juan Mareque Rivas
University of Swansea

Celine Marmion
Royal College of Surgeons

Shyamalava Mazumdar
TATA Institute for Fundamental
Research

Luigi Messori
University of Florence

José Moura
Universidade Nova de Lisboa

Isabel Moura
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Cinvestav

Nigel Robinson
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Jose Ruiz
University of Murcia

Hannah Shafaat
Ohio State University

Sigrídur Suman
University of Iceland

Asier Unciti-Broceta
University of Edinburgh

Ramon Vilar
Imperial College London

Jonathan Worrall
University of Essex

Stephane Petoud
CNRS Orleans

Clotilde Policar
ENS, Paris

Adoracion Quiroga
Autonomous University of
Madrid

Luca Ronconi
National University of Ireland
Galway

Ulrich Schatzschneider
University of Würzburg

Fangwei Shao
NTU Singapore

Rama Suntharalingam
Kings College London

Daniela Valensin
University of Siena

Kylie Vincent
University of Oxford

Valerie Pierre
University of Minnesota

Larry Que
University of Minnesota

Charles Riordan
University of Delaware

Magdalena Rowinska-Zyrek
University of Wroclaw

Nigel Scrutton
Manchester University

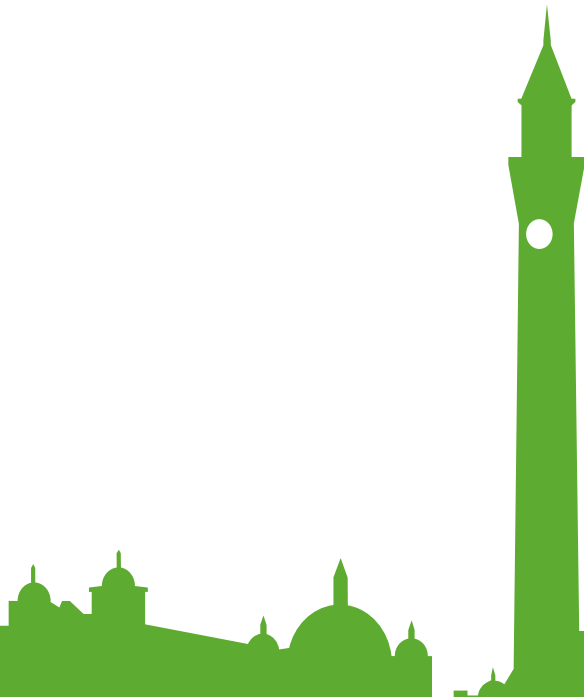
Martin Stillman
The University of Western
Ontario

Eimer Tuite
Newcastle University

Eugenio Vázquez
University of Santiago de
Compostela

Gil Westmeyer
TU Munich



A green silhouette of a city skyline is positioned on the right side of the slide, above a solid green horizontal band. The skyline includes several domes and a prominent, tall minaret with a white circular detail near its top. The background of the slide is white.

PROGRAMME OVERVIEW

PROGRAMME

OVERVIEW

Monday 27th August				
	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
	PL: C. Chang Leonard Deacon Lecture Theatre <i>Supported by the International Journal of Molecular Sciences</i>			
09.00				
09.50	KN: D Parker	KN: D. Nocera	KN: K. Franz	KN: E. Nolan
10.20	SL: M. Allen	SL: L. Jeuken	SL: U. Schatzschneider	SL: A. Munro
10.40	Refreshments			
11.10	SL: K. Lo	SL: K. Vincent	SL: C. Fahrni	SL: S. de Visser
11.30	OL: S. Huynh	OL: M. Miller	OL: D. Capdevila	OL: R. Bjornsson
11.45	SL: E. New <i>Supported by ChemComm</i>	SL: A. Parkin	SL: P. Chen	SL: N. Scrutton
12.05	SL: P. Donnelly	SL: S. Leimkühler	SL: N. Robinson	SL: C. Luchinat
12.25	Lunch			
13.25	KN: D. Crans	KN: O. Reinaud	KN: H. Sun	KN: S. Menage
13.55	SL: D. Gambino	SL: J. Kovacs	SL: S. Berners-Price	SL: A. Dey
14.15	OL: E. Boros	OL: A. Jarvis	OL: I. Trindade	OL: J. Zhao
14.30	SL: M. Devereux	SL: P. Comba	SL: H. Harris	SL: R. Anderson
14.50	SL: M. Rowinska-Zyrek	SL: L. Que	SL: C. Policar	SL: Y. Nicolet
15.10	Refreshments			
15.40	PL: A. Butler Leonard Deacon Lecture Theatre			
16.30	Flash Presentations Leonard Deacon Lecture Theatre			
17.10	Poster Presentations and Refreshments			
18.40	Close			

Sunday 26th August	
12.00	Registration opens
16.00	Opening Ceremony Welcome: Professor A. Schofield Pro-Vice Chancellor and Head of the College of Engineering and Physical Sciences
	Leonard Deacon Lecture Theatre
16.30	PL Professor P. Sadler
17.15	PL: Professor F. Armstrong
18.00	Welcome Reception
20.00	Close

PLENARY SPEAKER

KEYNOTE LECTURER

SESSION LECTURER

ORAL LECTURER

POSTER

PROGRAMME OVERVIEW

Tuesday 28th August				
	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	PL: S. DeBeer Leonard Deacon Lecture Theatre			
09.50	KN: J. Morrow	KN: E. Freisinger	KN: N. Le Brun	KN: W. Han Ang
10.20	SL: E. Tuite	OL: O. Palacios	SL: B. D'Autréaux	SL: C. Hartinger
10.40	Refreshments			
11.10	SL: G. Barone	SL: J. Worrall	SL: N.B. Behrens	SL: D. Gibson
11.30	OL: Z. Wang	OL: M. Lacasse	OL: L. Daumann	OL: D. Norman
11.45	SL: F. Shao	SL: I. Moura	SL: P. Delangle	SL: J. Ruiz
12.05	OL: G. Canil	OL: K. Tatsumi	OL: B. Mala	SL: C. Marmion
12.20	Lunch			
12.55	SBIC General Assembly, Leonard Deacon Lecture Theatre - All Welcome			
13.25	KN: S. Bonnet	KN: P. Walton	KN: M.H. Lim	KN: N. Metzler-Note
13.55	SL: T. Hambley	SL: A. Ivancich	SL: P. Faller	SL: P. Carver
14.15	OL: L. Cardo	OL: G. Berggren	OL: T. Young	OL: N. Mukherjee
14.30	SL: E. Glazer	SL: T. Hayashi	SL: M. Stillman	SL: S. Archibald
14.50	SL: A. Unciti-Broceta	SL: R. Hopkinson	SL: W. Bal	SL: R. Codd
15.10	Refreshments			
15.40	PL: Z. Guo Leonard Deacon Lecture Theatre			
16.30	Flash Presentations Leonard Deacon Lecture Theatre			
17.10	Poster Presentations and Refreshments			
18.40	Close			

PLENARY
SPEAKER

KEYNOTE
LECTURER

SESSION
LECTURER

ORAL
LECTURER

POSTER

Wednesday 29th August				
	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	PL: A. Rosenzweig Leonard Deacon Lecture Theatre			
09.50	SL: W. Berger	SL: C. Blindauer	SL: L. Quintanar	SL: J. Cowan
10.10	SL: J. Aldrich-Wright	10.10 - 10.25 OL: M. Kowalska	SL: C. Hureau	SL: O. Iranzo
10.30	SL: Isolda Romero Canelon	10.25 - 10.40 OL: D. Szunyogh	SL: D.Valensin	SL: A. Lombardi
10.50	Refreshments			
10.55				
11.20	KN: A. Casini	KN: P. Turano	KN: V. Pecoraro	KN: N. Farrell
11.50	OL: A. Pöthig	SL: J.Moura	SL: V.Pierre	SL: M.E. Vázquez
12.10	OL: I. Ott	OL: C. Rutanen	OL: S. Claire	OL: C. Abbehausen
12.25	SL: L. Ronconi	SL: O. Einsle	SL: S. Petoud	SL: A. Krezel
12.45	SL: L. Messori	OL: T. Iwasaki	SL: T. Keyes	OL: A. de Almeida
13.05	Lunch and Excursions/Free afternoon			

PLENARY
SPEAKER

KEYNOTE
LECTURER

SESSION
LECTURER

ORAL
LECTURER

POSTER

Thursday 30th August 2018				
	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	PL: T. Ward Leonard Deacon Lecture Theatre			
09.50	KN: J. Plavec	KN: A-K. Duhme-Klair	KN: T. Meade	09.50 - 10.10 SL: C. Kowol
10.10				10.10 - 10.25 OL: J. Delasole
10.20	SL: R. Vilar	SL: G. Ghirlanda	SL: G. Westmeyer	10.25 - 10.45 SL: R. Suntharalingam
10.25				
10.40		Refreshments		
10.45				
11.00			11.00 - 11.30 KN: J. Müller	SL: A.G. Quiroga
11.10	OL: C. Duboc	OL: J. Wang	OL: M. A. Galindo	OL: F. Thomet
11.30	OL: O. Rüdiger	OL: E. Weinert	11.45 - 12.05 SL: A. Houlton	OL: H. Li
11.45	11.45 - 12.05 SL: H. Shafaat	11.45 - 12.00 OL: K-B. Wong		
12.00		OL: C. Cavazza	OL: P. Chellan	OL: G. Zhu
12.05	OL: A. Pordea			
12.15				
12.20	Lunch			
13.20	KN: R. Sigel	KN: E. Raven	SL: J. Mareque-Rivas	SL: P. Buglyó
13.40			OL: M. Shoshan	OL: D. Griffith
13.50		SL: J. Butt	OL: D. La Mendola	OL: A. Nazarov
13.55	SL: P. Lincoln		SL: P. Gamez	SL: A. Erxleben
14.05			OL: Y. Yamamoto	OL: N. Busto
14.10		SL: M. Ikeda Saito		
14.25	KN: P. Chen	OL: J. Crack		
14.30				
14.40				
14.45	Refreshments from 14.40	Refreshments		
15.00				
15.10		SL: S. Mazumdar	OL: M. Högbom	SL: R. Peralta
15.15	SL: C. Riordan			
15.30				

PLENARY
SPEAKER

KEYNOTE
LECTURER

SESSION
LECTURER

ORAL
LECTURER

POSTER

- PLENARY SPEAKER
- KEYNOTE LECTURER
- SESSION LECTURER
- ORAL LECTURER
- POSTER

Thursday 30th August 2018				
	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
15.30	SL: S. Itoh	OL: E. Pletneva	OL: D. Pantazis	SL: S.Suman
15.45		OL: O. Howe	OL: V. Vu	
15.50	OL: H. Jankovics			
16.00				OL: M. Werrett
16.05				
16.10	Oral and Poster Prizes and Awards PL: EuroBIC Medal: G. Gasser Leonard Deacon Lecture Theatre			
17.15	Presentations of EuroBIC 15, ICBIC 19 and ISABC 15, close of conference.			
19.00	Conference Banquet			



A silhouette of a city skyline is positioned along the top edge of the page. It features several domes and a tall, slender tower with a pointed roof and a small white circle near its top. The skyline is set against a light blue background that transitions into a solid pink background below.

DETAILED PROGRAMME

DETAILED PROGRAMME

SUNDAY 26TH AUGUST

PL: Plenary Lecture

SL: Session Lecture

KN: Keynote

OL: Oral Lecture

Poster Session

12.00	Registrations Opens
16.00	Opening Ceremony Welcome: Professor Andy Schofield, Pro-Vice Chancellor and Head of the College of Engineering and Physical Sciences Professor Eva Freisinger, Secretary of EuroBIC and Chair of EuroBIC International Organising Committee Professor Mike Hannon, President of EuroBIC and Co-chair of EuroBIC 14 Professor Zoe Pikramenou, Co-chair of EuroBIC 14 Leonard Deacon Lecture Theatre
'Vision in Bioinorganic Chemistry' Plenary Lectures EuroBIC 2018	
16.30	PL: Professor Peter Sadler (195) Vision for Metals in Medicine: Genetic Codes and Resistance-Busting
17.15	PL: Professor Fraser Armstrong (373) Biology's Design Principles for Renewable Energy Catalysts
18.00	Welcome Reception
20.00	Close

MONDAY 27TH AUGUST

PL: Plenary Lecture

KN: Keynote

Poster Session

SL: Session Lecture

OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	<i>Chair: Zoe Pikramenou</i> PL: Chris Chang (065) Activity-Based Sensing to Study Transition Metal Signalling in the Brain and Beyond		 <i>Chair: Debbie Crans</i> KN: Kathy Franz (245) Metals, Drugs and Disease	
09.50	<i>Chair: Paul Donnelly</i> KN: David Parker (056) Lanthanide Induced Shift and Relaxation Anisotropy, Triple Imaging Magnetic Resonance Studies with Tailored Lanthanide Complexes	<i>Chair: Alison Parkin</i> KN: Daniel Nocera (380) Food and fuel from sunlight, air and water		<i>Chair: Stephane Menage</i> KN: Elizabeth Nolan (019) Metals and Immunity: Exploring the Function and Fate of Human Calprotectin
10.20	SL: Matthew Allen (017) Oxygen-sensitive contrast agents for magnetic resonance imaging based on divalent europium	SL: Lars Jeuken (101) Towards Compartmentalized Photocatalysis: Multiheme Proteins as Transmembrane Molecular Electron Conduits.	SL: Ulrich Schatzschneider (055) CO₂ or not CO₂, that is the question: On the antimicrobial activity of metal carbonyl complexes	SL: Andrew Munro (34.1) Biochemistry and biotechnological applications of the peroxxygenase P450 enzymes
10.40	Refreshments			
11.10	<i>Chair: Rachel Codd</i> SL: Kenneth Kam-Wing Lo (197) Photofunctional Rhenium(I), Ruthenium(II), and Iridium(III) Complexes as New Bioorthogonal Probes, Imaging Regents, and Photocytotoxic Agents	<i>Chair: Lars Jeuken</i> SL: Kylie Vincent (128) Spectroelectrochemical mechanistic studies through to applications of NiFe hydrogenases	<i>Chair: Jens Muller</i> SL: Christophe Fahrni (246) Tight but Labile: Unraveling the Thermodynamics of Copper Distribution in Mammalian Cells	<i>Chair: Andrew Munroe</i> SL: Samuel de Visser (002) Nonheme iron halogenases: Origin of the regioselectivity of reaction.
11.30	OL: Suong Huynh (382) Single Cell Cisplatin Uptake and Other Metal Measurements In Individual Cells	OL: Melanie Miller (163) Solar-Driven CO₂ Reduction to Formate with Formate Dehydrogenase	OL: Daiana Capdevila (343) Functional role of solvent entropy and conformational entropy of metal binding in a dynamically-driven allosteric system	OL: Ragnar Bjornsson (131) New insights into nitrogenase: QM/MM broken-symmetry DFT studies of FeMoco
11.45	SL: Elizabeth New (030) Probing the cellular interactions of platinum anticancer drugs 	SL: Alison Parkin (152) Re-wiring biological hydrogen production	SL: Peng Chen (059) Allosteric regulation mechanisms of metal-responsive MarR family transcription factors	SL: Nigel Scrutton (062) Making light work of catalysis: Proton coupled electron transfer in light dependent protochlorophyllide oxidoreductase
12.05	SL: Paul Donnelly (209) Diagnosis and Therapy with Zirconium and Copper Radiopharmaceuticals	SL: Silke Leimkühler (325) The Mechanism of Formate Oxidation Catalyzed by Formate Dehydrogenase from Rhodobacter capsulatus	SL: Nigel Robinson (085) Metal-specificities and metal-sensitivities of DNA-binding metal sensors	SL: Claudio Luchinat (074) Solid-state NMR of paramagnetic proteins: expected and unexpected results
12.25	Lunch			

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
13.25	<i>Chair: Peggy Carver</i> KN: Debbie Crans (032) Vanadium Compounds in Immunotherapy	<i>Chair: Paul Walton</i> KN: Olivia Reinaud (340) Second (and further) Coordination Sphere Effects in Biomimetic Cavities	<i>Chair: Mi Hee Lim</i> KN: Hongzhe Sun (353) From Metallomics to Drug Development: Bismuth-based Agents as Inhibitors against Metallo-β-lactamase	<i>Chair: Julia Butt</i> KN: Stephane Menage (199) Artificial Enzymes Crystals as New Heterogeneous Catalysts for a Sustainable Oxidation Chemistry
13.55	SL: Dinorah Gambino (041) Heterobimetallic ferrocenyl derivatives as prospective antitrypanosomal drugs: new insights	SL: Julie Kovacs (096) The Influence of Thiolate Ligands on Iron Dioxigen Chemistry	SL: Sue Berners-Price (268) Metallomics: NMR Studies Probing the Biocoordination Chemistry of Polynuclear Platinum Compounds	SL: Abhishek Dey (185) Catalytic Oxidation of Organic Substrates Using Molecular Oxygen
14.15	OL: Eszter Boros (342) Cerenkov-radiation mediated in situ excitation of lanthanide luminescence	OL: Amanda Jarvis (132) Artificial metalloenzymes for hydrocarbon functionalisation	OL: Inês Trindade (098) Unforeseen versatility in ferric-siderophore reduction: the structural & functional characterization of SIP, a Siderophore-Interacting protein from <i>Shewanella frigidimarina</i>	OL: Jing Zhao (099) Bridging Chemistry and Biology through Metal Catalysis
14.30	SL: Michael Devereux (141) Copper(II) and silver(I) complexes of 1,10-phenanthroline-5,6-dione: effective antibacterial, antifungal and anti-protozoal agents	SL: Peter Comba (058) New reaction channels with nonheme iron oxidation catalysts	SL: Hugh Harris (119) X-ray metallomics examines manganese SOD mimetics	SL: Ross Anderson (331) A catalytically proficient, hyperthermostable de novo peroxidase also functions as a stereoselective and promiscuous carbene transferase
14.50	SL: Magdalena Rowinska-Zyrek (106) Involvement of peptide-based zincophores in the delivery of antimicrobial peptides - a possible antifungal therapeutic strategy	SL: Larry Que (164) In Pursuit of the Elusive Fe(V)=O Oxidant in Bio-inspired Nonheme Iron-Catalyzed Oxidations	SL: Clotilde Policar (149) Metal-Carbonyls are efficient multi-modal probes : classical fluorescence, IR and X-fluorescence	SL: Yvain Nicolet (337) Radical-based chemistry and antibiotic biosynthesis. Mechanism of the radical SAM tryptophan lyase NosL
15.10	Refreshments			
15.40	<i>Chair: Mike Hannon</i> PL: Alison Butler (169) Targeting Structural Diversity in the Discovery of New Siderophores			
16.30	<i>Chair: Robert Neely</i> Flash Presentations			
17.10	Poster Presentations and Refreshments			
18.40	Close			

TUESDAY 28TH AUGUST

PL: Plenary Lecture KN: Keynote **Poster Session**
 SL: Session Lecture OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	Chair: Anna Peacock PL: Serena de Beer (348) X-ray spectroscopic studies of biological methane oxidation			
09.50	Chair: Kenneth Lo KN: Janet Morrow (095) Iron and Cobalt Coordination Complexes as MRI Contrast Agents	Chair: Isabel Moura KN: Eva Freisinger (187) » Thou Shalt Not Be Fickle« or The struggle towards the structures of metallothioneins	Chair: Emma Raven 2018 RSC Joseph Chatt Award KN: Nick le Brun (151) Studies of iron-sulfur cluster protein reactivity by mass spectrometry	Chair: Nils Metzler Nolte KN: Wee Han Ang (327) Anticancer Platinum(IV) prodrug complexes and the investigation of their intracellular reduction
10.20	SL: Eimer Tuite (361) Towards Dinuclear Dual Emission Ruthenium Complexes for DNA Binding and Detection	OL: Oscar Palacios (189) Metal specificity/function of gastropoda metallothioneins determined by non-coordinating amino acids	SL: Benoît D'Autréaux (178) Biological assembly of iron sulfur clusters, insight into the primary steps of a concerted process	SL: Christian Hartinger (223) Organometallic Anticancer Agents: Structural Motifs, Reactions and Transformations
10.40	Refreshments			
11.10	Chair: Ramon Vilar SL: Giampolo Barone (075) Nickel(II), copper(II) and zinc(II) complexes as G-quadruplex DNA binders	Chair: Claudia Blindauer SL: Jonathan Worrall (97) The bioinorganic chemistry of copper in Streptomyces	Chair: Olivia Reinaud SL: Norah Barba Behrens (180) The role of weak interactions in biological relevant azole derivatives and their coordination compounds. Impact on their biological activity	Chair: Wee Han Ang SL: Dan Gibson (347) Multi-action Pt(IV) anticancer agents
11.30	OL: Zenghui Wang (108) Photophysical investigation on the interaction between Pt(II) complexes and an RNA G-quadruplex	OL: Michael Lacasse (042) Nickel Coordination of the HypA-HypB [NiFe] Hydrogenase Metallochaperone Complex	OL: Lena Daumann (037) Impact of the Lanthanide contraction on the activity of a Lanthanide-dependent methanol dehydrogenase – Studies of Eu-MDH from the methanotrophic bacterium Methylophilum fumariolicum SolV	OL: Daniel Norman (009) Prodrugs Activated by Implantable Microsystems
11.45	SL: Fangwei Shao (023) Polyphenanthrolyl Pt(II) and Ru(II) Complexes as G-Quadruplex Binders for Applications to Therapeutics and Biotechnology	SL: Isabel Moura (046) The Active Form of the Tetranuclear Cu-S Cluster in N2O Reductase	SL: Pascale Delangle (304) Modelling metal binding sites of proteins involved in Cu homeostasis: a bioinspired approach	SL: Jose Ruiz (012) Novel Octahedral C^N Cyclometalated Ruthenium(II) and Iridium(III) Complexes: from Proteosynthesis Inhibitors to Photodynamic Therapy Agents
12.05	OL: Giovanni Canil (111) Photoactive platinum compounds: synthesis, characterization and interaction with biomolecules	OL: Kazuyuki Tatsumi (078) Fusion of two Al-Ferric [Fe4S4(SAR)4] Cubanes to Generate a Nitrogenase P-Cluster Model [Fe8S7] Cluster		SL: Celine Marmion (241) Exploiting Different Strategies To Generate Multi-Targeted Metal-Based Cancer Chemotherapeutics
12.20	Lunch			
12.55	SBIC General Assembly, Leonard Deacon Lecture Theatre - All Welcome			

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
13.25	Chair: <i>Angela Cassini</i> KN: Sylvestre Bonnet (090) Anticancer drugs based on tetrapyrrolyl ligands: the metal matters!	Chair: <i>Nick Le Brun</i> KN: Paul Walton (374) Molecular insights into the enzymatic oxidation of polysaccharides by lytic polysaccharide monoxygenases SL: Annabella Ivancich (198) De novo designed mini-heme enzyme with unprecedented pH-induced ligand switch: a prototype for a versatile synthetic catalyst with a molecular machine behaviour	Chair: <i>Liliana Quintanar</i> KN: Mi Hee Lim (005) Chemical Tools and Tactics to Study Multiple Facets in Alzheimer's Disease SL: Peter Faller (094) Copper Transfer and Redox Reactions of Metal-Binding Peptides and Proteins	Chair: <i>Celine Marmion</i> KN: Nils Metzler-Note (330) Impact of Metal Complexes on the Binding and Activation of G-Protein Coupled Receptor Binding Peptides SL: Peggy Carver (143) Ironing out the Role of Metal Ions in Infectious Diseases: Relationships between Plasma Metal Ions and the Development of Infectious Diseases
13.55	SL: Trevor Hambley (220) Targeting Strategies for Metal-Based Anticancer Agents			
14.15	OL: Lucia Cardo (365) Supramolecular cylinders and their pseudo-rotaxanes as anti-viral and anti-cancer agents	OL: Gustav Berggren (088) Synthetic chemistry as a tool for in vivo manipulation of [FeFe] hydrogenase	OL: Tessa Young (148) A lesson in quantification of metal binding affinities: how to detect sneaky ternary complexes	OL: Nandini Mukherjee (061) BODIPY-appended copper(II) complexes of vitamin B6 Schiff base for targeted photodynamic therapy in visible light
14.30	SL: Edith (Phoebe) Glazer (182) From Photochemistry to Phenotypic Drug Discovery with Ru(II) Complexes	SL: Takashi Hayashi (146) Biohybrid Catalyst: A Model of [FeFe]-Hydrogenase Using a Diiron Cluster Linked in a β -Barrel Protein	SL: Martin Stillman (116) Determining binding constants for copper and zinc binding to metallothionein: Solving very complicated problems using ESI mass spectrometry and detailed simulations	SL: Steve Archibald (174) Metal complex antagonists for chemokine receptors CXCR4 and ACKR3 (CXCR7): imaging and therapeutic applications in cancer
14.50	SL: Asier Unciti-Broceta (066) Safe on their own, cytotoxic together	IBDG 2018 Young Investigator Award SL: Richard Hopkinson (150) Deciphering the mechanisms of human formaldehyde biosynthesis, metabolism and toxicity	SL: Wojciech Bal (109) Small copper binding peptides, a new class of serum albumin cargo	SL: Rachel Codd (120) Blending Chemical and Microbiological Approaches Towards the Design of Radiometal Ligand
15.10	Refreshments			
15.40	Chair: <i>Isolda Romero Canelon</i> PL: Zijian Guo (091) Platinum-Based Anticancer Agents: Functionalization and Targeting			
16.30	Chair: <i>Ruchi Gupta</i> Flash Presentations			
17.10	Poster Presentations and Refreshments			
18.40	Close			

DETAILED PROGRAMME

WEDNESDAY 29TH AUGUST

PL: Plenary Lecture KN: Keynote Poster Session
 SL: Session Lecture OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	Chair: Roland Sigel PL: Amy Rosenzweig (089) Biosynthesis of methanobactin			
09.50	Chair: Adoracion Quiroga SL: Walter Berger (349) Immune-Stimulating Activities of Anticancer Platinum and Ruthenium Compounds	Chair: Clotilde Polcar SL: Claudia Blindauer (082) Native Mass Spectrometry for studying the interplay between zinc binding and protein folding	Chair: John Dawson SL: Liliana Quintanar (183) Metal-induced aggregation of human lens crystallins: Uncovering the bioinorganic facet of cataracts disease	Chair: Pascale Delangle SL: James Cowan (170) De Novo Metalloglycosidases. Toward Therapeutic and Cellular Applications
10.10	SL: Janice Aldrich-Wright (044) Unconventional Platinum Anticancer Compounds	10.10 - 10.25 OL: Magdalena Kowalska (184) Ultrasensitive β -NMR to study interactions of metal ions with biomolecules	SL: Christelle Hureau (186) Why and how to target copper versus zinc ions to fight against Alzheimer's disease	SL: Olga Iranzo (244) Bioinspired copper catalysts for oxidation reactions based on pre-organized peptidic platforms
10.30	SL: Isolda Romero Canelón (366) In vivo selectivity and localization of ROS induction by asymmetric transfer hydrogenation catalysts in the fight against cancer	10.25 - 10.40 OL: Daniel Szunyogh (153) Towards applications of β -NMR spectroscopy in inorganic and bioinorganic chemistry	SL: Daniela Valensin (332) Copper binding to aggregated forms of alfa Synuclein	SL: Angela Lombardi (086) Designed heme-protein mimetics: a simple scaffold for diverse activities.
10.50	Refreshments	10.40 - 10.55 OL: Benoit Busser (038) In situ metal imaging with laser spectrometry: A new and promising technology with biological and medical applications	Refreshments	
10.55		Refreshments		
11.20	Chair: Janice Aldrich Wright KN: Angela Cassini (110) Supramolecular coordination chemistry: a toolkit for biomedical applications	Chair: Larry Que KN: Paola Turano (165) Integrated structural biology of iron biomineralization in ferritin	Chair: Janet Morrow KN: Vincent Pecoraro (231) Lanthanide Metallacrown Complexes for Luminescence Sensing	Chair: Peter Faller KN: Nick Farrell (243) Zinc Fingers as Templates for Metal Complex Interactions
11.50	OL: Alexander Pöthig (181) Organometallocavitations as functional hosts and building blocks	SL: José Moura (047) Formate and CO ₂ handling by Formate Dehydrogenases	SL: Valerie Pierre (015) Gallium complexes for the diagnosis of bacterial infections	SL: M. Eugenio Vázquez (093) A peptide chemist's approach to DNA-binding metallohelices

WEDNESDAY 29TH AUGUST

PL: Plenary Lecture KN: Keynote Poster Session
SL: Session Lecture OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
12.10	OL: Ingo Ott (139) Gold N-heterocyclic Carbene Complexes: From Anticancer to Antibacterial Drug Candidates	OL: Chiara Rutanen (142) Promiscuous mono-oxygenase activity in <i>Aspergillus oryzae</i> catechol oxidase	OL: Sunil Claire (372) Metal Complex Labelled, Nuclear Targeting, Fluorescent Nanoparticles for Imaging and Therapy	OL: Camilla Abbehausen (027) Elucidating interaction of gold complexes and zinc fingers
12.25	SL: Luca Ronconi (129) Gold-dithiocarbamate glycoconjugates for the targeted anticancer chemotherapy	SL: Oliver Einsle (212) A ligand binding site on nitrogenase cofactor - and what it means for catalysis	SL: Stephane Petoud (177) Near-infrared Emitting Metallacrowns and Lanthanide Polyaminocarboxylate Complexes as Novel Optical Imaging Agents	SL: Artur Krezel (188) Beyond classical binding sites in zinc proteins – biophysical overview of zinc hook, zinc clasp and altered zinc fingers
12.45	SL: Luigi Messori (159) Auranofin, an Innovative Anticancer Agent through Drug Repurposing? Further Mechanistic Insights	OL: Toshio Iwasaki (118) <i>Escherichia coli</i> Amino Acid Auxotrophic Expression Strains for the Structure-function Studies of Metalloenzymes	SL: Tia Keyes (063) Peptide Targeted Metal Luminophores for Sensing and Phototherapy in the Cellular Environment.	OL: Andreia de Almeida (134) The mechanism of aquaporin inhibition by gold compounds elucidated by biophysical and computational methods
13.05	Lunch and Excursions/Free afternoon			

THURSDAY 30TH AUGUST

PL: Plenary Lecture

Poster Session

KN: Keynote

SL: Session Lecture

OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
09.00	Chair: Sue Berners Price PL: Thomas Ward (006) Artificial Metalloenzymes for In Vivo Catalysis: Challenges and Opportunities			
09.50	Chair: Eimer Tuite KN: Janez Plavec (207) G-rich DNA regions and exploration of their structures by NMR	Chair: Charles Riordan KN: Anne-Kathrin Duhme-Klair (073) Siderophores as anchors in artificial metalloenzymes	Chair: Kathy Franz KN: Tom Meade (375) Opening the Proteome to MR Imaging Analysis: Are we there yet?	Chair: Fangwei Shao SL: Christian Kowol (352) Albumin-targeted platinum(IV) complexes with outstanding antitumor activity in vivo
10.10				OL: Joachim Delasole (296) Vitamin B12 functionalized diatoms as micro-shuttle for targeted delivery of anticancer agents
10.20	SL: Ramon Vilar (144) Exploiting geometry and nuclearity of metal complexes to selectively target G4-DNA	SL: Giovanna Ghirlanda (326) Artificial metalloproteins for electron transfer and catalysis	SL: Gil Westmeyer (346) Genetically controlled compartments for iron biomineralization in mammalian cells	
10.25				SL: Rama Suntharalingam (302) Taking the cancer stem cell gamble with cytotoxic metal complexes
10.40		Refreshments		
10.45				Refreshments
11.00				
11.10	Chair: Roseley Peralta OL: Carole Duboc (211) Investigation of bio-inspired [NiFe] hydrogenase models: H ₂ production & CO inhibition process	Chair: Anne-Kathrin Duhme-Klair OL: Jiangyun Wang (025) Metalloprotein design using genetic code expansion	Chair: Phoebe Glazer 11.00 - 11.30 KN: Jens Müller (067) Metal-mediated base pairs and their applications	Chair: Andrea Erxleben SL: Andoracion Gomez Quiroga (161) Variations in the design of active and non-conventional metalloodrugs for reaching specific targets
11.30	OL: Olaf Rüdiger (135) Dual properties of a hydrogen oxidation Ni-catalyst entrapped within a polymer promote self-defense against oxygen	OL: Emily Weinert (039) Oxygen-Dependent Activation of Diguanylate Cyclase-Containing Globin Coupled Sensors	OL: Miguel A. Galindo (140) Silver-mediated base pairs involving 7-deazaadenine nucleobases; Solution and solid-state studies	OL: Franz Thomet (076) Ru-anethole complexes – promising anticancer agents toward the human gastric cancer cell line AGS; seeking for further improvements.
11.45	11.45 - 12.05 SL: Hannah Shafaat (203) Model nickel metalloenzymes for energy conversion	11.45 - 12.00 OL: Kam-Bo Wong (026) How GTP-dependent conformational changes in a metallochaperone UreG facilitate nickel delivery to urease	11.45 - 12.05 SL: Andrew Houlton (233) A new coordination polymer approach to the functionalisation and assembly of DNA	OL: Hongyan Li (057) Metal-NTA-based fluorescence probes for labeling proteins inside living cells

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
12.00		OL: Christine Cavazza (024) The biochemical and structural characterization of the metallochaperone CooJ reveals an unexpected high affinity nickel-binding site		
12.05	OL: Anca Pordea (064) Artificial metalloenzymes based on alcohol dehydrogenase for NADPH recycling		OL: Prinessa Chellan (036) Design and Study of New Organometallic Complexes as Antimicrobials	OL: Guangyu Zhu (007) Functionalization and delivery of Pt(IV) anticancer prodrugs
12.15				
12.20	Lunch			
13.20	Chair: Valerie Pierre KN: Roland Sigel (335) An multifaceted view on a metal ion-directed RNA-RNA interaction	Chair: Abhishek Dey KN: Emma Raven (230) A mechanism for heme- and CO-dependent regulation of ion channels	Chair: Tia Keyes SL: Juan Mareque-Rivas (162) Lipid-coated nanoparticles for targeted immunotherapy and combining chemotherapy with immunotherapy	Chair: Sylvestre Bonnet SL: Péter Buglyó (250) Pd(II)-peptidehydroxamate interactions to develop potentially hypoxia-activated bimetallic complexes
13.40			OL: Michal Shoshan (016) Peptide-stabilized Platinum Nanoparticles Selectively Attack Liver Cancer Cells	OL: Darren Griffith (014) Heat Shock Protein 70 as a Target to Overcome Platinum Resistance in Colorectal Cancer
13.50	SL: Per Lincoln (215) Diastereomeric effects in DNA binding of ruthenium complexes	SL: Julea Butt (127) A Tale of Two Hemes: Redox Driven Ligand Exchange in Diheme Thiosulfate Dehydrogenase (Tsda) Enzymes	OL: Diego La Mendola (175) Theranostic Gold Nanoparticles for anti-angiogenic applications	OL: Alexey Nazarov (160) Anticancer Pt and Ru complexes with biologically active ligands
13.55				
14.05				
14.10	KN: Peng Chen (052) Mechanisms of metal regulation and efflux with single-molecule microscopy	SL: Masao Ikeda Saito (193) Catalytic mechanisms of heme degradation enzymes	SL: Patrick Gamez (136) Inhibition of β -amyloid aggregation by functionalized gold	SL: Andrea Erxleben (157) Mechanistic Studies of Dual-threat Pt(IV) Anticancer Pro-drugs
14.30		OL: Jason Crack (171) Mass spectrometry of [4Fe-4S] RirA cluster disassembly in response to low iron.	OL: Yasuhiko Yamamoto (020) Characterization of Heme-DNA Complexes	OL: Natalia Busto (115) Towards the design of a promising Ir(III) biscyclometallated complex as Photodynamic Therapy Agent
14.40				
14.45	Refreshments from 14:40	Refreshments	Refreshments	Refreshments
14.50				
15.10	Chair: Christelle Hureau SL: Charles Riordan (008) Nickel-Dioxygen Coordination Chemistry: Structure, Reactivity and Mechanism	Chair: Jose Moura SL: Shyamalava Mazumdar (092) Effects of Metal ion substitution and modification of the prosthetic group on the structure and stability of heme proteins	Chair: Takashi Hayashi OL: Martin Högbom (043) Superoxide oxidase: Productive quenching of membrane-proximal superoxide by ubiquinone reduction	Chair: Asier Uncita Broceta SL: Rosely Peralta (145) Ligand design strategy to increase the CO release activity of photoCORMs with visible irradiation
15.15				
15.30				

THURSDAY 30TH AUGUST

PL: Plenary Lecture KN: Keynote Poster Session
SL: Session Lecture OL: Oral Lecture

	Leonard Deacon Lecture Theatre	Arthur Thomson Hall	Lecture Theatre 3	Lecture Theatre 4
15.30	SL: Shinobu Itoh (121) Unusual Reactivity of Copper(II) Superoxide Complex	OL: Ekaterina Pletneva (190) Ligand Substitution and Protonation Reactions Tune Redox Reactivity of Cytochromes	OL: Dimitrios Pantazis (124) Jahn-Teller control of catalytic progression: a new paradigm in bioinorganic chemistry	SL: Sigridur Suman (069) Catalytic Conversion of Cyanide to Thiocyanate
15.45		OL: Orla Howe (154) Deciphering the molecular mechanisms of action of metal complexes Copper(II) and Silver(I) containing 1,10-phenanthroline ligands	OL: Van Vu (112) Structural diversity of the copper active site in polysaccharide monooxygenases: computational and spectroscopic studies	
15.50	OL: Hajnalka Jankovics (126) Development and Characterization of a High Affinity Nickel(II)-binding Flagellin Variant			OL: Melissa Werrett (200) Bismuth Nanocellulose Composites and their Efficacy towards Multi-Drug Resistant Bacteria
16.00				
16:05				
16.10	Chair: Eva Freisinger, Mike Hannon and Zoe Pikramenou Oral and Poster Prizes PL: EuroBIC Medal: Gilles Gasser (003) Metal Complexes and Medicinal Chemistry: what a Combination!			
17.15	Presentations of EuroBIC 15, ICBIC 19 and ISABC 15, close of conference			
19.00	Conference Banquet			



POSTER LIST



POSTER LIST

Poster Number	Presenting Author	Abstract Title
Bioinorganic Chemistry and Energy		
21	Asghari Gul	Synthesized and characterization of conjugated polymers: Fabrication of Dye-Sensitized Solar Cells
31	Haider Behbehani	Palladium-Catalyzed Regio- and Stereoselective Route to Bis-[3-methyl-1,1',4'-tri-aryl-5-oxo-spiro-pyrazoline-4,5'-pyrazoline] Derivatives via 1,3-Dipolar Cycloaddition under Sonication as Efficient Antimicrobial Agents
173	Jenny Zhang	Semi-artificial photosynthesis: a platform for studying and rewiring natural photosynthetic pathways
176	Philipp Kurz	Water Oxidation Catalysis by the OEC vs. Manganese Oxides: Similarities, Differences and a Fundamental Question
298	Jiaao Wei	Probing iron sulfur cluster redox states and long-range effects of cluster potential by mutagenesis, electrochemistry and spectroscopy
312	Velmurugan Gunasekaran	Designing new generation catalysts for hydrogenation of carbon dioxide to formaldehyde: A density functional theory study
Biomimetic and Bioinspired		
10	Konrad Kowalski	Recent progress in the chemistry of ferrocenyl nucleobase conjugates and ferrocenyl XNA nucleosides
11	Mohsen Ahmadi	Phosphate Substituted Dithiolene Complexes as Models for the Active Site of Molybdenum and Tungsten Dependent Oxidoreductases
102	Emmanuel Oheix	An Air-Stable Molybdenum-Based Precatalyst in Oxygen-Atom Transfer Reactions

Poster Number	Presenting Author	Abstract Title
114	Diego La Mendola	Copper is a critical player in signalling induced by Nerve Growth Factor
117	Linda Leone	Site-selective indole oxidation catalyzed by a Mn-containing artificial metalloenzyme
123	Michael Pluth	Molecular Recognition of the Biologically-Relevant Hydrochalcogenide Anions Hydrosulfide (HS ⁻) and Hydroselenide (HSe ⁻)
130	Aleksandra Hecel	Specific interaction of copper and membrane-mimicking environment on the structure of prion protein N-terminal domain
213	Nikolas Sandmann	3H-Imidazo[4,5-f]quinolin-5-ol as a ligand for metal-mediated base pairing
247	Hiromi Oshita	The electronic structures of M(II)-phenoxyl radical complexes with a side chain indole ring; the effect of π - π stacking interaction with indole ring
248	Sarah Lopez	New heterogeneous biocatalysts for oxidation reactions: crystals of artificial metalloenzymes
259	Attila Jancsó	Oligopeptide models of cysteine-rich Cu(I)- and Hg(II)-binding metal sites of metalloproteins
264	Carmen Anayely Cruz Galván	Structural and magnetic study of tetranuclear coordination compounds Cu ₄ OL ₄ X ₆ towards understanding of CuZ active center
271	Philip Punt	Coordination Chemistry of imidazole-based ligands in DNA G-quadruplex structures
278	Aditya Garai	Uranyl chelating peptides with comparable binding affinity to Uranyl target proteins
282	Tatsuo Yajima	Formation of Adducts between Aromatic Biomolecules and Dinuclear Pt(II)-Aromatic Diimines Complexes
293	Lindsey Monger	Synthesis and characterization of Nickel(II) tripeptide complexes
295	Lukas M. Stratmann	Paramagnetic Metal-tetrads in DNA G-Quadruplex Structures as EPR-active Probes for Distance Measurements and Structure Elucidation

Poster Number	Presenting Author	Abstract Title
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310	Pardeep Kumar	A unique FeIII=S Complex: Synthesis, structure, spectroscopy and reactivity.
Biom mineralization; Environmental and Geochemical		
320	Urszula Kalinowska-Lis	Study on antioxidant properties of white willow bark extracts
323	Wilmer Villarreal	Phosphine Quinine Copper(I) and Silver(I) complexes, their applications as agrochemicals in phytopathogenic diseases starting with citrus canker caused by Xanthomonas citri ssp. citri.
Metallomics		
147	James P C Coverdale	Free fatty acids in biological media perturb Zn speciation and accumulation by endothelial cells
225	Ria K. Balogh	Detection of toxic metal ions by using the CueR metalloregulator
228	Menglan HE	Rhenium Tricarbonyl Complexes for Bio-imaging
288	Michał Padjasek	Single-molecule and molecular dynamics studies unravel the mystery of Rad50 zinc hook's conformational switch
290	Manuel David Peris-Díaz	Zn(II)-cysteine clusters reactivity in metallothionein proteins
318	Dawid Płonka	'Pro'-hepcidin is a potential cadmium toxicity target
319	Anna Kocyła	Interprotein zinc-driven motif of CD4 and Lck tyrosine kinase - stability, selectivity and new reversible heterodimerization toolset
322	Ewelina Stefaniak	The ability of the N-terminal motif of human CTR1 to collect Cu(II) from albumin

Poster Number	Presenting Author	Abstract Title
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22	Valentin Chabert	Model peptide studies of Ag ⁺ binding sites from the silver resistance protein SilE
35	Cristina Puscas	THE HIGH AFFINITY OF SMALL-MOLECULE ANTIOXIDANTS FOR HEMOGLOBIN AND MYOGLOBIN
49	Steve Chiumento	Radical-SAM mediated biosynthesis of RumC sactipeptides
54	Nicolai Burzlaff	HIF Prolyl Hydroxylase Inhibitors (PHDIs)
68	Filipe Folgosa	The role of a stand-alone multidomain flavodiiron protein in the survival of the Human pathogen Clostridium difficile 630 to oxidative and nitrosative stress
80	Moritz Senger	Evaluation of [FeFe]-Hydrogenase Cofactor Geometry by FTIR Spectroscopy and Density Functional Theory
84	Justin Bradley	Unprecedented Iron-Oxygen Reactivity in a Ferritin
87	Leon Jenner	Covalent Modification of Cysteine Acts as a Switch for Heme-to-Heme Electron Transfer
107	Daniel F. Sauer	Nitrobindin as a Platform for Biohybrid Catalysts
122	Cedric Owens	Redox dependent structural changes in nitrogenase from Gluconacetobacter diazotrophicus
158	Manish K. Tiwari	Copper-ion catalyzed oxidation of α -synuclein
167	FRANCESCO BELLIA	Inorganic effectors of the Amyloid- β degradation: news and views

Poster Number	Presenting Author	Abstract Title
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196	Marek Luczkowski	Hg ²⁺ binding properties of RAD50, conserved protein involved in DNA repair
202	Bianca Hermann	Outer cell wall Cytochrome A: a nonaheme cytochrome c with an unexpected heme scheme
205	Erin L. Dodd	Iron Sulfur cluster nitrosylation in the NO regulatory protein NsrR
217	Dominic Graf	Tagging of lysozyme with organometallic indole derivatives
218	Lucile Chiari	Development of new biohybrid photocatalysts for asymmetric oxidation
252	Simone Morra	Towards operando infrared spectroelectrochemical studies of [FeFe]-hydrogenases
257	Maria Carlos Martins	Metalloproteins involved in reactive oxygen species detoxification in <i>Clostridium difficile</i>
262	Katarzyna Kluska	Metal dependent folding of a naturally altered zinc finger domains – insight into coordination mode, stability and function
266	Hans-Petter Hersleth	Activation of the Class Ib Ribonucleotide Reductase by a Flavodoxin Reductase in <i>Bacillus cereus</i>
267	Filipe Rollo	Endonuclease III and its mutants: a comparative study of catalytic, electrochemical and spectroscopic properties
269	Béla Gyurcsik	Multiple allosteric control in novel zinc finger-based artificial nucleases
270	Brigitta Németh	The birth of the hydrogenase: Study of the quaternary structure and the redox chemistry of the FeFe hydrogenase maturation
277	Andreas Thiel	Cobalt-Based Biohybrid Catalyst Embedded in the Transmembrane Protein FhuA

Poster Number	Presenting Author	Abstract Title
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300	Sophie Kendall-Price	Combining steady-state and time-resolved IR spectroelectrochemistry reveals details of the [NiFe] hydrogenase catalytic cycle.
307	Raushan K. Singh	Thermal Unfolding and Refolding of Lytic Polysaccharide Monooxygenase
311	Manish K. Tiwari	Copper-ion catalyzed oxidation of α synuclein
321	Olga Kerber	Biophysical characterisation of the zinc hook domain of the Rad50 protein.
Metals in medicine		
13	Heinz Gornitzka	NHC-metal complexes for biomedical applications: parasitic diseases and cancer
18	Gloria Vigueras	Effect of Polypyridyl Ligands on the Photophysical Properties and the Photodynamic Anticancer Activity of Iridium(III) Complexes
28	Jens Oberkofler	Exploring the Biological Activity of Mixed NHC-Au(I)-Alkynyl Complexes
29	Samya Banerjee	Activation of Cp* Rings in Rhodium(III) Anticancer Complexes
34	Fabio Zobi	Organometallic Cobalamin photoCORMs to Help Evaluating the Impact and Role of CO in Anticancer Therapy
45	Wilma Neumann	The Siderophore Enterobactin Targets Ciprofloxacin to Gram-negative Pathogens
71	Leila Tabrizi	Novel metallodrugs targeting TSPO as anticancer agents
72	Alice Santoro	Cu/Zn shuffling of native or medicinal Cu-complexes by Metallothionein assisted by Glutathione or Cysteine

Poster Number	Presenting Author	Abstract Title
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81	Jeremie Rossier	Organometallic cobalamin anticancer derivatives for targeted prodrug delivery via transcobalamin-mediated uptake
100	Zhenzhu Zhu	Alleviating A β -induced paralysis in <i>C. elegans</i> by derivatives of pyridine amine
103	Kuo-Pin Yu	Nano-silver antimicrobial composites prepared by thermal reduction and photochemical deposition
104	Jorge Leal	CYTOTOXICITY OF CIS-DICHLORO Pt(II) COMPLEXES WITH (N^N)-DONOR LIGANDS BEARING FUNCTIONALIZED TAILS. IMPORTANT ROLE OF THEIR INTERACTION WITH SEROALBUMIN
105	Riccardo Bonsignore	Synthesis and DNA binding studies of novel Au(I) NHC organometallic complexes as G-quadruplex stabilizers.
113	Simone Dell'Acqua	Binding and oxidative reactivity of heme iron to peptides relevant to neurodegeneration
125	Pavel Starha	Non-platinum Half-Sandwich Complexes Containing Releasable Bioactive Ligand: A Route to Bimodal Agents
133	Muhib Ahmed	Transition Metal Complexes of Novel Phenanthroline Derivatives as Antibacterial Agents
156	Daniel Baecker	Considering ferroptosis as potential mode of action of anti-leukemic effective iron salophene complexes
166	Jan Chyba	POTENTIAL PLATINUM DRUGS FOR ENCAPSULATION WITH MACROCYCLIC CAVITANDS
172	Tadhg McGivern	Mechanistic insights of novel Cu(II) metallodrug conjugates

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201	Eirini Fotopoulou	Vitamin B12-functionalized metallatheranostic agents for the targeted treatment and imaging of tumors
204	Cristina Pérez-Arnaiz	Thiabendazole-based Rh(III) and Ir(III) Biscyclometalated Complexes with Mitochondria-Targeted Anticancer Activity and Metal-Sensitive Photodynamic Activity
206	Darren Wragg	On the mechanisms of DNA G-quadruplexes targeting by gold(I) N-heterocyclic compounds: new insights by combined meta-dynamics and biophysical methods
208	Gabriele Dalla Torre	Computational approach to Al(III) chelation therapy
210	Dayra Escudero	Study of enantiomerically pure Ru (II) helicates as coordination agents to DNA
214	Jaroslav Malina	Oligonucleotide assembly induced by substitution-inert polynuclear platinum complexes
216	Patrick Roth	A focus on the drug sphere: CO-releasing molecules (CORMs) conjugated to biomolecular carrier systems for improved bioavailability
219	Mate Kozsup	Synthesis, characterization and biological evaluation of Co(III) complexes with quinolone drugs
222	Aisling Ryan	Platinum-Hedgehog Pathway Inhibitor Complexes as Potential Anticancer Agents
224	Christiana A. Mitsopoulou	Synthesis and Characterization of mixed diamine-quinoxaline Ru(II) complexes. Study of their DNA binding mode and antitumor activity
226	Alexander Weninger	ZEISE'S SALT DERIVATIVES WITH ASPIRIN SUBSTRUCTURES: SYNTHESIS AND BIOLOGICAL EVALUATION
227	Begoña García	Interaction of different four-stranded helical DNA structures with two Ir(III) bis-cyclometallated complexes

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232	Farah Kanwal	Studies on the Synthesis and Biological activity of bismuth based MOFs
234	Blanca R. Manzano	Synthesis and Cytotoxicity of Pt(II) and Pt(IV) Pyridil Containing Compounds as Potential Anticancer Drugs
235	Félix A. Jalón	Pt(II) AND Pt(IV) COMPLEXES AS POTENCIAL ANTICANCER DRUGS. SYNTHESIS AND CYTOTOXICITY.
236	Imre Nagy	Tuning the redox potential of ternary cobalt(III) complexes containing various hydroxamates
238	Ana Rosa Rubio	Evidences on cellular effects and subsequent biosubstrates binding tests of a naphthyl-imidazo phenanthroline (HNAIP) ligand and its [Ir(ppy) ₂ (HNAIP)]Cl and [Rh(ppy) ₂ (HNAIP)]Cl complexes
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240	Reece Kenny	Design and Development of Novel Dual-Threat Metal Chemotherapeutics
242	Christian A. Weinmann	Synthesis, Characterization and Labelling of Triazacyclononane Derived Chelators with ⁶⁴ Cu, ⁶⁸ Ga and ¹¹¹ In for Radiopharmaceutical Applications
249	Jessica Wölker	Synthesis and Biological Properties of Novel Rhodium(I) N-Heterocyclic Carbene Complexes as Possible Anticancer Drugs
251	José M. Leal	Anticancer properties, DNA binding and photoactivation of Ru(II) arene complexes bearing 2-(2'-hydroxyphenyl) benzazole ligands
253	Raul Berrocal-Martin	Interaction of an organo-osmium(II) anticancer complex with DNA probed at the single-molecule level

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256	Srikanth Dasari	Near-Infrared Excited Cooperative Upconversion in Luminescent Ytterbium(III) Bioprobes as Light-Responsive Theranostic Agents
258	Catherine Morais Teles	Improving Selectivity of New Anticancer Pt(II) Complex by conjugating transferrin receptor binding peptide
260	Sonia Infante-Tadeo	Aqueous dynamics of ruthenium(II) and osmium(II) arene complexes bearing a tethered carboxylate
263	Rubí Navarro-Peñaloza	Cytotoxic activity of coordination compounds with carboxylated imidazole derivatives of Cu ²⁺ and Zn ²⁺
265	Linda Hancock	Determination of Metallodrug Dose Response via ICP-OES Analysis of Whole Mouse Blood
272	Ana C. Carrasco	Half-Sandwich Iridium(III) Complexes Bearing a Tethered Pyridine as Potential Anticancer Drugs
273	Wenying Zhang	Activation of potent organometallic iridium(III) anticancer complexes
274	Urszula Kalinowska-Lis	Antibacterial study on zinc(II) complex of glycine amino acid.
275	Anife Ahmedova	Metallosupramolecular nano-capsules with improved therapeutic potential for cancer treatment
276	Ginés Miguel Esteban-Parra	Leishmanicidal activity of new lanthanide complexes containing 7-amino-5-methyl-1,2,4-triazolo[1,5-a]pyrimidine
279	Conor M. Black	Synthesis and Biological Evaluation of Siderophore-Based SO ₂ -Releasing Antimicrobial Prodrugs

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284	Yuliya Toporivska	Solution speciation of novel hydroxamate zirconium(IV) complexes, potential to use for positron emission tomography
285	Małgorzata Ostrowska	Influence of the hydroxamate ligand's structure on the thermodynamic properties of metallacrown complexes
286	Rainbow Lo	Functionalisation of G-quadruplex binders, via click chemistry, to enable theranostic applications
289	Niels Højmark Andersen	Interaction of Thiosemicarbazones with Ribonucleotide Reductase studied by Resonance Raman Spectroscopy
291	Hedvika Primasová	¹ H HR-MAS NMR based metabolomics of cancer cells responding to two different doses of the diruthenium trithiolato complex [(p-MeC ₆ H ₄ iPr) ₂ Ru ₂ (SC ₆ H ₄ -p-But) ₃] ⁺ (DiRu-1)
292	Hilke Burmeister	New ruthenium(II) NHC complexes as potential antitumor and antibacterial agents
294	Alicia Domínguez-Martín	On the way to crystallize the intramolecular BCL2 RNA G-quadruplex
297	Dorota Łoboda	Zn(II) and Ni(II) complexes with polyhistidine triad peptides (Pht) from <i>Streptococcus pneumoniae</i> .
303	Alessio Perotti	A ferrocene nucleoside analogue disrupts polymerase activity causing S-phase arrest in pancreatic cancer cell lines.
305	Vicki Emms	Utilising the polyamine transport system to deliver transition metal cancer theranostics.

Poster Number	Presenting Author	Abstract Title
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308	Xin Zhang	Novel Mechanism of Activation of Osmium Arene Anticancer Complexes
309	Lucía Otero	Rational design of metal complexes with 5-nitrofuryl containing thiosemicarbazones bearing anti T. cruzi activity: effect of phosphine derived co-ligands
313	Elizabeth Bolitho	Study of the cellular effects of a photoactivatable iridium anticancer drug in human prostate cancer cells using cryo-soft X-ray tomography
314	Valentina Oliveri	8-Hydroxyquinoline-peptide conjugates that target multiple facets of neurodegenerative diseases
315	Megan O'Shaughnessy	Antibacterial activity of metal complexes incorporating 1,10-phenanthroline and dicarboxylate ligands: activity against problematic resistant clinical isolates
316	James Southwell	Bio-orthogonal Catalysts for Selective Antibiotic Activation
317	Legna Andreina Colina Vegas	Cytotoxicity and antiproliferative activity of a ruthenium triphenylphosphine complex on triple negative breast cancer cells
324	Annie Castonguay	Exploiting Diels-Alder linkages to facilitate the uptake of Ru(II)-arene complexes by cancer cells
328	Roberto S. da Silva	Porphyrin and chlorin derivatives bearing pyridyl and pentafluorophenyl moieties as promise compounds to be used in Photodynamic Therapy. A comparative study
329	Laisa B. Negri	Photobiomodulation (PBM) potentiates Photodynamic Therapy (PDT) efficacy using [Ru(Pc)] and trans-[Ru(NO)(NO ₂)(Pc)] complexes as photosensitizer in human melanoma cells
333	A.O Nejo	ANTIMICROBIAL ACTIVITY OF TURMERIC AND CARROT CAPPED SILVER NANOPARTICLES ON COTTON AND KHAKI FABRICS
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339	Fabio Marchetti	Incorporation of bioactive molecules in ruthenium arene complexes: synthetic strategy and cytotoxicity
344	Evelina G. Ferrer	Potential bio-protective effect of copper compounds: mimicking SOD and peroxidases enzymes and inhibiting acid phosphatase as a target for anti-osteoporotic chemotherapeutics
345	Patricia A.M. Williams	Antitumor (in vitro) and antihypertensive (in vivo) effects of a new coordination complex formed with the drug telmisartan and the biometal Zn(II)
350	Georgia Williams	Confocal Fluorescence Imaging with Metallodrugs incorporating O/N/S Donors for Prostate Cancer Cells under Hypoxia
351	Haobo Ge	Coordination Chemistry of Gallium(III) in Water for the Imaging of Cancer Cells Under Hypoxic Conditions
354	Paul Teare	pH Dependent binding in de novo hetero bimetallic coiled coils
355	Menisha Manhota	Mesoporous Silica Particles as a Drug Delivery System for Antimicrobial Agents in Dental Applications
356	Zhilin Guo	Luminescent Homo and Heterometallic Dinuclear Lanthanide Probes
357	Luke Watson	Nanoparticles for Targeting Cancer Tissue: Detection and Imaging
358	Irene Theofilou	Luminescent Iridium Gold Nanoparticles to Target Mitochondria
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368	James Craig	Supramolecular Cylinders and Pillarplexes: Their DNA binding properties and biological effects
369	Xiaohan Xu	Histone H3.3 as an arsenic-binding protein in leukemia cells
370	Qi Zhang	Biochemical analysis of a thiosulfate-binding protein CysP
371	Ying Zhou	Cell cycle-dependent uptake and cytotoxicity of arsenic-based drugs in single leukemia cells
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377	Jamie Bradley	Measuring cellular uptake of gold nanoparticles using Single-Cell Inductively Coupled Plasma Mass-Spectrometry
378	Michael Hannon	DNA Nanotechnology in the Delivery of Anti-Cancer Agents
381	Zoe Pikramenou	Iridium Gold Nanoparticles For Cell Mapping Using Two-Photon Luminescence Lifetime Imaging
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287	Sina Katharina Goetzfried	Kinetical studies on Gold-NHC-complexes: Insight into the mechanism of ligand scrambling reactions

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