



Natasha Myers (York University, Toronto)
 Darren Williams (KCL, Anatomy)
 David Hay (KCL, King's Learning Institute)
 Danny Birchall and Martha Henson (Wellcome Collection)
 Marius Kwint (Portsmouth University)
 and others...

image courtesy Andrew Carnie

June 20 2012
 Inigo Rooms, KCL

registration opens in May

further information contact
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**Between: Embodiment in Science Teaching
 Workshop and Discussion June 20th
 Inigo Rooms, East Wing Somerset House, KCL, Strand Campus**

A free, discipline specific workshop sponsored by the Higher Education Academy and the School of Biomedical Sciences, KCL. The target audience is professional educators but we encourage a broad delegate base.

The workshop will explore the definitions and role of embodiment in science teaching and science practice. It complements the exhibition "Between" at the Inigo rooms, King's College London, which features works by artists Susan Aldworth, Karen Ingham and Andrew Carnie.

The workshop will draw speakers from a range of disciplines with the aim of developing a broad discussion on how we talk about and teach science. How are aspects of expertise and knowledge conferred within the gestures, movements, depictions and objects of scientific practice? How can understanding these elements of embodiment inform science learning and teaching?

The discipline focus will be anatomy, the brain and biomedical sciences reflecting the themes of the Between exhibition, which will be open during the workshop. An early evening discussion with the Between artists on the nature of embodiment in art and science will be chaired by Martha Fleming and will be open to both workshop delegates and the general public.

Numbers at this workshop will be limited to 30. Half of these places will initially be held for delegates outside KCL and allocated on a first-come, first-served basis. Research student travel will be subsidised by the HEA

HEA Workshop provisional programme

10.00-10.30 Welcome, introduction and coffee

- Richard Wingate (KCL, Anatomy and Human Sciences): The “Between” project

10.30-11.30 Session 1: Embodied Science

- Suzy Willson (Clod Ensemble and Barts and The London School of Medicine and Dentistry) “Performing Medicine”
- Martha Henson and Danny Birchall (Wellcome Collection) “The Brain as Game”

11.30 - 12.30 Keynote lecture

Natasha Myers (Department of Anthropology, York University, Toronto) “Molecular embodiment: performing the protein fold” or “Dance your PhD: Embodied Animations and the Affective Entanglements of Life Science Research”

12.30 – 13.30 Lunch

13.30 - 14.30 Session 2: Enacting and inscribing scientific expertise

- Darren Williams (KCL, Anatomy and Human Sciences) “Being the brain cell: seeing anatomy from the neuron’s perspective”
- David Hay (KCL, King’s Learning Institute) “Tracing embodiment of expertise in student and teacher brain cell drawings”

14.30 – 15.00 Discussion and coffee

15.00 – 16.00 Session 3: Objects that talk

- Karen Ingham (Swansea Metropolitan University, Centre for Art and Design Research) “Anatomy Lessons and Narrative Remains”
- Marius Kwint (University of Portsmouth, School of Art Design and Media) “Curating Brains at the Wellcome”

17.00 Drinks, snacks and general discussion

EARLY EVENING EVENT: Inigo Rooms

18.00-19.30 “Between” a discussion of the themes of embodiment addressed in this exhibition chaired by Martha Fleming, artist and curator and scholar of science and art interactions. Open to the public and free.

Richard Wingate, Natasha Myers, Marius Kwint and “Between” artists: Karen Ingham, Andrew Carnie and Susan Aldworth in Discussion

Application Form Between: **Embodiment in Science Teaching**

Please paste the information below into the body of an e-mail to **richard.wingate@kcl.ac.uk**

NAME	
E-MAIL	
TELEPHONE	
ORGANISATION	
ROLE	
ARE YOU STUDENT REGISTERED FOR A HIGHER DEGREE?	Y/N
I WOULD LIKE TO ATTEND THE EVENING EVENT	Y/N
SPECIAL DIETRY REQUIREMENTS	PLEASE DETAIL

Please note that in accordance with HEA guidelines, places for the workshop will be allocated on a first-come, first-served basis with a specific number of delegates drawn from outside KCL. A budget has been set aside to subsidise research student travel. Since places for the evening event are likely to be in high demand, we urge you to indicate whether you wish to attend. You will be issued with a ticket for this evening event.

You will be informed whether you have been allocated a place on the workshop within 7 days of receipt of this form.

Finalised details of the workshop and delegate list will be distributed on June 6th 2012.

SPEAKER AND CHAIR BIOGRAPHIES

Danny Birchall is the Web Editor of the Wellcome Collection website. He has previously managed websites for the Institute of Contemporary Arts in London, and the British Film Institute. He is also an erstwhile film night programmer, Trotskyist, forklift driver and short storyteller. He blogs at <http://museumcultures.wordpress.com/>.

Martha Fleming is a museum professional, academic and artist, and has held research residencies at London's Science Museum and the Max Planck Institute for the History of Science (Berlin) among others. Recent exhibitions projects include the Dibner Award winning *Split + Splice: Fragments from the Age of Biomedicine* (Creative Director) at the Medical Museum of the University of Copenhagen, where Fleming was also a Visiting Professor with the Faculty of Health. From 2009 to 2011, she was part of a team developing a Centre for Arts and Humanities Research at the Natural History Museum, London.

David Hay is a Senior Lecturer in Higher Education and leader for the e-Learning team at the King's Learning Institute. He researches the common themes of student learning and knowledge-change with a view to developing pedagogy. For nearly a decade, he has developed new approaches to concept mapping theory and practice that draws on the notion of dialogism in Higher Education.

Martha Henson is a Multimedia Producer at the Wellcome Trust where she creates films and games based on their research, events, exhibitions and collections. Before joining the Trust she worked for several years as a freelance filmmaker on educational and corporate productions before moving into work on more interactive online projects, including the award-winning Spooks Interactive 10 week long game for the BBC and Kudos Productions. She blogs at marthasadie.wordpress.com.

Karen Ingham is an artist whose interest lies in juxtaposing the narratives behind scientific objects, language and images conferring new meaning onto the notion of embodiment. She is Reader in Arts & Science Interactions at Swansea Metropolitan University and currently runs a number of research initiatives within including the Centre for Lens-Arts and Science Interaction and The Science, Arts, Technology Network. Karen is an exhibiting artist in "Between" alongside Susan Aldworth and Andrew Carnie.

Marius Kwint teaches Visual Culture at the University of Portsmouth. Previously, he was lecturer in History of Art at the University of Oxford and held fellowships at the Royal College of Art and the Victoria and Albert Museum, the Houghton Library at Harvard University, and at St. Catherine's College, Oxford. He has a longstanding interest in science and visual culture, including work with Richard Wingate and Andrew Carnie. In 2005 he devised the exhibition *Simply Complex*, on dendritic or branching forms, at the Museum of Design in Zurich, and he is guest curator of the recent exhibition *Brains: the Mind as Matter*, at the Wellcome Collection.

Natasha Myers is an anthropologist working in the field of science and technology, and Assistant Professor at York University, Toronto. She examines the lively visual and performance cultures that thrive in contemporary life science laboratories and classrooms. In her teaching, she explores the intersections of race, gender and science, the craft of scientific practice, and the power of facts in social worlds. She co-organizes Toronto's Technoscience Salon and is a Member of Council for the Society for Social Studies of Science

Darren Williams is senior lecturer and principal investigator at the MRC Centre for Developmental Neurobiology, KCL. At present two specific issues occupy most of his waking hours; firstly the role that dendrite guidance plays in establishing connectivity and secondly how neurons remove branches during pruning. He runs the successful, innovative and popular third year developmental neurobiology course at KCL.

Suzy Willson is Artistic Director of Clod Ensemble - a theatre company that creates theatre, music and performance events in London, the UK and internationally. Suzy has spent over 10 years researching the uses of arts in medical training and leads the company's award winning Performing medicine project. She has recently completed a PhD about the project at Queen Mary University London and is currently Honorary Non-Clinical Senior Lecturer at Barts and The London School of Medicine and Dentistry.

Richard Wingate is a lecturer and principal investigator at the MRC Centre for Developmental Neurobiology, KCL. In addition to basic biomedical research Richard is involved in a number of educational research projects that examine researcher-led teaching in Higher Education. He is the scientific advisor for the current "Brains" exhibition at the Wellcome Collection, is a co-organiser of the Between exhibition at the Inigo Rooms and is a member of the Arts Awards panel at the Wellcome Trust.