



University of Birmingham

UK, June 2007

Dear NucSys members,

Welcome to the 2007 Summer meeting! The following pages include a programme for the meeting, together with useful information for travel etc. A campus map is attached. Lucas House is G16, European Research Institute G3 and the Learning Centre, R28. On Saturday and Sunday, ESRs have each been given 30mins. This is anticipated to be 15mins for their talk and 15mins for discussion. It is important that ALL ESRs get good feedback and discussion so we have engineered the time to do so. If there are any further queries/questions before or during the meeting, the contact details for Moray,

Chris, Farhat, Seb and Pedro are listed below.

Moray: M.J.Campbell@bham.ac.uk, Mob: 07966368598

Chris: C.M.Bunce@bham.ac.uk, Mob: 07867651517

Farhat: F.L.Khanim@bham.ac.uk, Mob: 07904098583

Sebastiano: battagls@adf.bham.ac.uk, Mob: 07860889919

Pedro: velica@gmail.com, Mob: 07864042837

Wednesday, 14th June

ESRs and some PIs arrive. Sebastiano and Pedro V have arranged a meal (map at back). Please let Seb/Pedro know if you are interested in attending.

8pm Dinner
Dragon BBQ, Broadway Plaza, Ladywood Middleway, Birmingham, West Midlands, B16 8LP
0121 456 3166

Thursday, 14th June

9.30am- 5pm Presentations Skills Course for ESRs
Room G51, European Research Institute (G3 on campus map)
Peter and Bernard from PETER EVANS ASSOCIATES LTD

11-11.30am coffee
1-2pm lunch
3.30-4pm coffee break

8pm Dinner organized by Seb/Pedro.
Please let Seb/Pedro know if you would like to attend the meal
Shiraz, Taste of Persia, 67-169 Hagley Rd, Birmingham, West Midlands, B16 8UQ (map at the back) 0121 454 9911

Friday, 15th June

9.00-5pm ESRs: Part II of Modelling Course
Learning Centre, Room UG32 (R28 on campus map)
Frank Bruggeman, Katja Rybakova and Alexey Kolodkin

10.30-11am coffee break
1-2pm lunch in Biosciences Undercroft and garden (R27 on campus map)
3.30-4pm coffee break

3-5pm PIs: NucSys business meeting
Room G51, European Research Institute

6-7pm Football Match
3G pitch (Sports pitches on campus map)
If you are interested in playing, then please let Seb/Pedro know. The more the merrier!

7.30pm-late Dinner
Hornton Grange (G13, see campus map)

Saturday, 16th June

Room G51, European Research Institute (G3 on campus map)

8:55 Welcome and Opening Remarks

ESRs have each been given 30mins time allocation. This is anticipated to be 15mins for their talk and 15mins for discussion. It is important that ALL ESRs get good feedback and discussion so we have engineered the time to do so.

Session 1 – Nuclear receptor biology *in silico* and *in vitro*

9:00 Design principles of nuclear receptor signaling and nucleo-cytoplasmic shuttling
Alexey Kolodkin, *Vrije Universiteit Amsterdam, The Netherlands*

9:30 Validation of *in vitro* test systems for PXR
Ellen Wiedemann, *University of Surrey, UK*

10:00 PXR responsive elements
Marcin Buler *University of Oulu, Finland*

10:30 Identification of functional PPAR binding sites in target gene promoters
Tatjana Degenhardt, *University of Kuopio, Finland.*

11:00 Identification of Vitamin D target genes
Viola Woeckel *Erasmus University Medical Centre, Rotterdam, The Netherlands*

11:30 Coffee

Session 2 – Co-regulators

12:00 Regulation of members of the sirtuin gene family by PPARs
Aleksandra Tomaszewska, *University of Kuopio, Finland.*

12:30 Mouse models for the study of transcriptional co-regulation
Pedro Rocha, *Max-Planck Institute for Molecular Genetics, Germany.*

1-2pm Lunch

Session 3 – Metabolism and Energy

2:00 Effects of caloric restriction on gene expression profiles in rat muscle and liver.
Oita Radu Cristian, *Unilever R&D, United Kingdom*

2:30 Role of PPAR α in fatty acid-dependent gene regulation in heart.
Anastasia Georgiadi. *Wageningen University, The Netherlands.*

3:00 Effect of 1,25-dihydroxyvitamin D3 on Cystathionine-beta-synthase (CBS)
Carsten Kriebitzsch *Katholieke Universiteit Leuven, Belgium*

3:30 Coffee

Session 4 - Bone

4:00 Towards understanding the role of PPAR γ in bone formation and osteoporosis: From controversies to novel hypotheses.

Claudia Bruedigam *Erasmus University Medical Centre, Rotterdam, The Netherlands*

4:30 In tune with the changes: searching for phases in osteoblast differentiation

Katja Rybakova, *Vrije Universiteit Amsterdam, The Netherlands*

5:00 Future meeting news

Alberto Munoz/Heiner Schrewe

7.30 Dinner

Blue Mango- The Indian Brasserie, Regency Wharf, Broad Street, Birmingham
0121 633 4422

Directions and Map at the back

Sunday 17th June

Room G51, European Research Institute

Session 5 – Cancer and Inflammation

9:30 NCoR1 activity in prostate malignancies

Sebastiano Battaglia, *University of Birmingham, UK*

10:00 Search for novel vitamin D target genes in human colon cancer cells

Fabio Pires, *Instituto de Investigaciones Biomédicas, Spain*

10:30 Effect of vitamin D treatment on VDR target gene expression, in malignant and non malignant breast epithelial cell lines

Carole Brosseau, *St. George's Hospital Medical School, UK*

11:00 Coffee

11:30 *In vivo* and *in vitro* studies of 15d Δ 12,14 -Prostaglandin J₂ regulation in mouse

Pedro Velica, *University of Birmingham, UK*

12:00 Evidence that nutritional calcium affects the vitamin D system and markers for IBD.

Thomas Nittke, *Medical University of Vienna, Austria*

12:30 Selection of VDR agonists for the treatment of inflammatory bowel disease: *in vitro* and *in vivo* experiments

Gilles Laverny, *BioXell S.p.A., Italy*

1:00 Closing Remarks
