



REGPEP 2010 - 18th International Symposium in Belfast

NET Patient Foundation 1st National Conference

PROGRAMME Sunday 5th to Wednesday 8th September 2010

Programme Sunday 5th September-Evening

Registration
Europa Hotel Belfast

15.30-17.30

Evening
Venue Belfast City Hall

Welcome to Belfast & the Conferences 18.00-18.30

Memorial Lecture

Professor Keith Deans Buchanan 18.30-19.30 'The Glucagon Family'

Jens Rehfeld (Copenhagen Denmark)

Civic Reception (drinks & finger food) 19.30-21.00 Optional tour of Belfast City Hall

The Local Committee of REG PEP 2010 is pleased to welcome Maureen Buchanan and other family members to this Memorial event

The Memorial Lecture is kindly sponsored by The Bayliss & Starling Society

The Reception is kindly supported by Belfast City Council



REG PEP 2010 Programme Tuesday 7th September Parallel Sessions

Sponsored Mini Symposia between 09-00 and 1530

Mini Symposium

Sponsored by Ipsen

08.30-10.00

Details to follow

Pipeline Symposium

Sponsored by Novartis

10.30-12.00

Details to follow

Mini Symposium

Sponsored by Randox

14.00-15.30

Title to follow

Mark Duncan (Colorado USA)



REG PEP 2010 Programme Monday 6th September- Morning

REGISTRATION	08.30-10.00		
Poster Viewing & coffee	08.30-10.00		
<u>MINI Symposium on Apelin</u>	08.45-12.00		
Sponsored by Sanofi Aventis France	08.45-09.15	Apelin signalling and vascular pathophysiology	Yves Audigier (Toulouse France)
	09.15-09.45	The G-protein coupled receptor Agtr11 regulates early development of myocardial progenitors	Didier Stainier (San Francisco California USA)
	09.45-10.15	Apelin: an emerging therapeutic target for type 2 diabetes	Isabelle Castan-Laurelle (Toulouse France)
Coffee	10.15-10.45		
	10.45-11.05	S01 The apelin receptor: from ligand discovery to physiological role	N De Mota, Z Iturrioz, <u>C Llorens-Cortes</u> <i>et al</i>
	11.05-11.10	Discussion	
Selected abstracts <u>Apelin</u>	11.10-11.20	S02 Identification and pharmacological properties of an antagonist of apelin receptors	<u>B Masri</u> , LS Barak, Y Bai <i>et al</i>
	11.20-11.30	S03 Determining structure and apelin binding in the N-terminus and first transmembrane segment of APJ	DN Langelaan and <u>JK Rainey</u>
	11.30-11.40	S04 Apelin is expressed in human and rodent islets and regulates insulin secretion	C Ringström, MD Nitert, <u>N Wierup</u> <i>et al</i>
	11.40-12.00	Discussion	
Victor Mutt Prize Memorial Lecture	12.00-13.00	Neuropeptide discovery: from characterization to function	Jonathan Sweedler (Urbana Illinois USA)
Lunch Poster Viewing & Exhibition	13.00-14.00		



REG PEP 2010 Programme Monday 6th September - Afternoon

Peptide & Receptor Discovery

14.00-17.30

14.00-14.30

Flatworms- basal metazoans with unusual neuropeptide degradation

Aaron Maule (Belfast UK)

14.30-15.00

Neuropeptide signalling in platyhelminths

Timothy Day (Ames Iowa USA)

15.00-15.30

Evolution of vertebrate neuropeptide receptors

Dan Larhammar (Uppsala Sweden)

Tea

15.30-16.00

Peptide & Receptor Discovery

16.00-17.30

Selected Abstracts

16.00-16.15

A05 Probing the function of schistosome *Sm-npp-1* exposes a new family of helminth neuropeptides

P McVeigh, GR Mair, E Novozhilova *et al*

16.15-16.30

A06 Evidence for a unique conformation of CCK2 receptor recruiting beta-arrestine2

R Magnan, I Tikhonova, C Escrieut *et al*

16.30-16.45

A07 'Shotgun' cloning of skin peptide precursors from skin secretion-derived cDNA libraries of the Fujian large-headed frog *Limnonectes fujianensis*

Y Wu, M Zhou, L Wang, T Chen, C Shaw

16.45-17.00

08 Lipopolysaccharide (LPS) alters expression of incretin receptors in monocyte and hepatocyte cell lines

H Daabo, I Welters, JA Gallagher, L Ranganath

17.00-17.15

A09 GK-22 amide: a novel myotropic peptide from the skin secretion of the bamboo leaf odorous frog *Odorrana versabilis*

J Toa, M Zhou, L Wang, T Chen, C Shaw

17.15-17.30

Discussion

Transport to the Ulster Folk & Transport Museum will leave from the Europa Hotel at 19.00

Dinner at Ulster Folk & Transport Museum (Sponsored By Novartis)



REG PEP 2010 Programme Tuesday 7th September - Morning

Peptide Processing and Secretion

09-00-10.30

09.00-09.30

Prohormone processing

Graham Baldwin (Melbourne Australia)

09.30-10.00

Chromogranin A and its peptide-fragments in tumour biology

Angelo Corti (Milan Italy)

10.00-10.30

Region-specific expression of granins in neuroendocrine tissue and measurement of circulating concentrations

Mats Stridsberg (Uppsala Sweden)

Coffee

10.30-11.00

Peptide processing & Secretion

11.00-13.00

Selected Abstracts

11.00-11.15

A10 Chromogranin A fragments vasostatin and chromostatin are regulatory peptides that control small intestinal neuroendocrine tumour proliferation via AKT/mTOR signalling

M Kidd, F Giovinazzo, B Svejda *et al*

11.15-11.30

A11 Transcription factor ZBP-89 is required for tryptophan hydroxylase 1 gene expression and serotonin production

H Grasberger, N Veniaminova, J Merchant *et al*

11.30-11.45

A12 Gastrin regulates the urokinase plasminogen activator system

KG Norsett, I Steele, L Rainbow *et al*

Selected Abstracts

Peptide Function

Gastrin

11.45-12.00

A13 Biological activities of progastrin peptides

KM Marshall, M Yim, O Patel *et al*

12.00-12.15

A14 Cardiac pro-cholecystokinin expression

JP Goetze, AH Johnsen, RF Rehfeld

12.15-12.30

A15 Causes and consequences of assay failure in gastrinoma diagnosis

JF Rehfeld, MH Gingras L Bardram *et al*

Selected Abstracts

Peptide function

Cancer cell lines

12.30-12.45

A16 GLP-1 increases gemcitabine cytotoxicity in human pancreatic cancer stem cells (PCSC)

H Hui, YG Tang, W Go *et al*

12.45-13.00

A17 The neuropeptide cortistatin induces cell death by autophagy in leukemic tumour cells

M Delgado, N Varela, E Gonzalez-Rey

Lunch Poster Viewing & Exhibition

13.00-14.00



REG PEP 2010 Programme Tuesday 7th September- Afternoon

Peptide Function

14.00-17.30

14.00-14.30 The involvement of sensory nerves in vascular and inflammatory responses: activation, neuropeptides and related peptides

Sue Brain (London UK)

14.30-15.00 Educating the immune system with endogenous neuropeptides

Elena Gonzalez-Rey (Granada Spain)

15.00-15.30 Characterization of some neurotropic activities of PACAP and development of new analogues for *in vivo* treatments

David Vaudry (Rouen France)

Tea

15.30-16.00

Peptide Function

16.00-16.30

Selected Abstracts

16.00-16.15 A18 Galanin inhibits neutrophil migration
16.15-16.30 A19 Quantification of secretory leucocyte protease inhibitor in exudates from leg ulcers of patients with diabetes.

S Wintersteller, I Rauch, B Kofler *et al*
MTC McCrudden, CR Irwin, FT Lundy

Debate on Gastrin

16.30-17.30 'Progastrin and its processing-intermediates possess no bioactivity'
Chair
For
Against

Jens Rehfeld (Copenhagen Denmark)
Graham Dockray (Liverpool UK)
Arthur Shulkes (Melbourne Australia)

Drinks reception Europa Hotel
Gala Dinner
In the Europa Hotel

19.30-20.00

20.00



REG PEP 2010 Programme Wednesday 8th September - Morning

Peptide Function

09.00-10.30

09.00-09.30

Ten years after the discovery of ghrelin: novel functions and processing

Masayasu Kojima (Kurume Japan)

09.30-10.00

Control of appetite by gut hormones

Steve Bloom (London UK)

10.00-10.30

New peptides in the regulation of feeding and metabolism

Seiji Shioda (Showa Japan)

Coffee

10.30-11.00

Peptide Function

11.00-11.30

Incretin physiology and pathophysiology

Jens Holst (Copenhagen Denmark)

11.30-12.00

Pituitary adenylate cyclase activity polypeptide (PACAP) and islet function

Bo Ahrén (Sweden)

Peptide Function

Selected Abstracts

12.00-12.10

A20 Implantation of GLP-1 secreting cells fails to recapitulate effects of exogenous GLP-1 mimetics in mice

S Vasu, MH Hamid, JT McCluskey *et al*

12.10-12.20

A21 The role of alpha-gustducin in the effect of T2R-agonists on the secretion and physiological effects of ghrelin

S Janssen, J Laermans, PJ Verhulst *et al*

12.20-12.30

A22 Peptide based glucagon analogues are effective agents in blocking the hyperglycaemic actions of glucagon in the high fat fed mouse.

Z Franklin, EP Rafferty, N Irwin, FPM O'Harte

12.30-12.40

A23 Evaluation of the role of islet cell paracrine interactions in regulation of insulin secretion using a new heterotypic pseudoislet model

C Kelly, H Guo Parke, JT McCluskey *et al*

12.40-12.50

A24 An improved analogue of oxyntomodulin with improved glucose-lowering insulinotropic and anorexigenic actions

BD Kerr, PR Flatt, VA Gault

Lunch Poster Viewing & Exhibition

13.00-14.00



REG PEP 2010 Programme Wednesday 8th September- Afternoon

Peptide relates drug discovery

14.00-15.30

14.00-14.30 Strategies for transformation of antimicrobial peptides from frog skin into therapeutically valuable anti-infective agents
Mike Conlon (Al-Ain UAE)

14.30-15.00 Helokinestatins: a novel family of bioactive peptides with drug-lead potential from the venom of the Gila Monster (*Heloderma suspectum*)
Chris Shaw (Belfast UK)

15.00-15.30 Traditional GI Peptides as drugs in appetite and satiety.
Steve Bloom (London UK)

Tea

15.30-16.00

Peptide relates drug discovery

16.00-17.00

Selected Abstracts

16.00-16.10 A25 *Schistosoma mansoni* neuropeptide amidating enzymes.
LE Atkinson, P McVeigh, NJ Marks *et al*

16.10-16.20 A26 Construction of cDNA libraries from trifluoroacetic acid-solvated amphibian skin secretions: molecular cloning of multiple bombinin-like peptide precursor transcripts from library of yellow-bellied toad secretion
B Bai, L Wang, M Zhou, T Chen, C Shaw

16.20-16.30 A27 Natriuretic peptide infusion in myocardial inshemia/reperfusion is associated with reduced myocardial damage and inversed endogenous release of natriuretic peptide in pigs
BS Kousholt , JR Larsen, JP Goetze *et al*

16.30-16.40 A28 Inhibition of endoplasmic reticulum stress by intermedin1-53 protects against myocardial ischemia/reperfusion injury through CRLR/RAMPs-Akt signalling pathway
Yong Fen Qi, Xu Teng, Jun Qiu Song *et al*

16.40-16.50 Discussion

Closing remarks

16.50

Daniel Fourmy (Chair Reg Pep Society)

Welcome to REG PEP 2012



NET Patient Foundation Tuesday 7th September

PRELIMINARY PROGRAMME

Welcome and introduction to The NET Patient Foundation	11.00-11.15	
	11.15-11.30	Introduction to NET diagnostic tools
	11.30-11.50	Treatment for NETs Surgical
	11.50-12.10	Treatment for NETs Medical
	12.10-12.30	Treatments for NETs Nuclear Medicine
Lunch (provided)	12.30-13.00	
	13.30-14.00	Multi Disciplinary Approach
	14.00-14.20	Quality of Life issues
	14.20-14.40	What is on the horizon for NETs
Q & A Session	14.40-16.00	

**The NET Patient Foundation Meeting is sponsored by Ipsen
Further details of this programme will be posted on the NET Patient Foundation Website.**

www.netpatientfoundation.com



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REG PEP 2010

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Association of British Pharmaceutical Industry Northern Ireland www.abpi.org.uk

European biotech www.biotechnology-europe.com



The Bayliss & Starling Society is kindly sponsoring the Keith Deans Memorial Lecture

The Committee wishes to thank Belfast City Council for the use of Belfast City Hall and for providing a reception

The organizing committee wishes to thank Belfast Visitor & Convention Bureau for their assistance