

Gilbert Vassart

Curriculum Vitae

VASSART Gilbert

Born: Brussels, 18/02/44

Nationality : Belgian

EDUCATION: MD. 30/06/69. Summa cum Laude. University of Brussels

POSTGRADUATE STUDIES

Ph.D. Thesis 1974. "Contribution à l'étude de la biosynthèse des protéines chez les organismes eukaryotes". University of Brussels.

1975 : Specialist Clinical Chemistry

1987 : Specialist Medical Genetics

PROFESSIONAL POSITIONS.

ACADEMIC.

- 1970-1974 Aspirant at the Belgian FNRS Institut de Recherche Interdisciplinaire en Biologie Humaine et Nucléaire

- 1974-1978

Chargé de Recherche FNRS

- 1978-1982

Chercheur qualifié FNRS

- 1982-1983

Maître de Recherche FNRS

- 1990- 2009.

Director of the Laboratory of Medical Genetics of the University of Brussels.

- 2001- present

Director of the "IRIBHM" University of Brussels.

TEACHING

- 1989-present. Medical Genetics for medical students

AWARDS

- Harrington Prize (award of the European Thyroid association) 1978.

- Francqui Prize 1993 (the highest Belgian award in Science for the under 50).

- Van Geysel European award for biomedical research 2000

- Docteur honoris causa of the Université René Descartes 2000.

- Docteur honoris causa of the University of Chicago 2002

- Aurbach lecture award: Molecular genetics of glycoprotein hormone receptors. The Endocrine Society. Philadelphia June 2003.

- Fellow of the Royal College of Physicians of UK 2005

- Francqui chair in Genetics at the Catholic University Leuven (2008)

- IPSEN "Endocrine Regulation Prize" 2009.

MEMBER OF SCIENTIFIC SOCIETIES.

- Biochemical Society (U.K.)

- Member of the Académie de Médecine of Belgium.

- European Society for Genetics

- Member of the Human Genome Organization (HUGO).
- Member of the European Molecular Biology Organization (EMBO).

INVITED SPEAKER AT INTERNATIONAL MEETINGS

Aspects of Thyroid Function : the biosynthesis of thyroglobulin.

Querido Symposium, Leiden, Holland 1974

The role of organelles in the chemical modification of the primary translation products of secretory proteins: biosynthesis and degradation of thyroglobulin.

FEBS Advanced course, London, UK 1976

IIIrd Argentine Colloquium on Thyroid Hormones,

BUENOS AIRES, Novembre 1976.

Teaching course in basic Thyroidology.

Lyon, septembre 1977, VIII Meeting of the European Thyroid Association.

Hormonal regulation of specific gene expression. FEBS advanced course, London 1978.

3rd Congrès Français d'Endocrinologie. Lille, Septembre 1982, France.

7th European Symposium on Hormones and Cell Regulation. Mont St-Odile, Octobre 1982, France.

Pitt Rivers Lecture

Thyroid Club. Meeting of the British Endocrine Societies.

Edinburgh, 27-29 March 1984.

Synthesis of Thyroglobulin. The prothyroid hormone symposium Toronto. June 26th 1984.

Control of thyroglobulin gene expression by TSH. Gordon conference "Cyclic Nucleotides " June 11-15 1985. New Hampshire. USA

International symposium : Thyroid function tests.

Bendor, France, 9-10 May 1985.

First European Symposium on Thyroid Cancer.

Montpellier, France, 6-7 June 1985.

Colloquium on Thyroid Hormone Dysfunctions.

13th International Congress of Biochemistry, Amsterdam,

25-30 August 1985.

Symposium on hereditary disorders of the Thyroid.

International Thyroid Conference, Sao Paulo,

Septembre 2-6 1985.

Trends in thyroid physiopathology.

Symposium of the "29^e journées internationales Henri-Pierre Klotz d'endocrinologie clinique.

Paris, May 23-24, 1986.

15th Annual meeting of the European Thyroid Association.

Introduction lecture to the " Thyroglobulin " session

Stockholm, Sweden July 1986.

International Conferences on Calcium Regulating Hormones :
IX international conference.
"Control of Thyroglobulin gene transcription".
Nice, France october 1986.

Hormones and Cell Regulation (Inserm meeting)
Mont St. Odile. France 30 sept. 1986.
"Control of Thyroglobulin gene expression".

Molecular biological approaches to thyroid research.
International symposium Reisenburg June 1987.
" Control of thyroglobulin gene transcription by TSH and
cAMP."

1st postgraduate course in endocrinology. " Molecular genetics "
Roma 3 october 1987.

Quinte Giornate italiane della Tiroide.
"Molecular genetics of thyroglobulin and thyroperoxidase." Parma Italy - 6 november
1987.

Workshop on International cooperation for the human genome
project. Valencia 24-26 october 1988.

Workshop on The molecular Biology of autoimmune diseases.
Athens 16-20 April 1988.

Symposium : "Physiological regulation and biological
function of Thyrotropin".
Hannover 1-3 June 1989.

International symposium " Thyroid Gland, environment and
autoimmunity "
Amsterdam 18-20 October 1989.

International symposium on Thyroperoxidase.
Marseille 28-30 June 1990.

International Symposium on "Molecular Basis of
Thyromimetic Activity"
TSH receptor Structure
Ulm, Reisenburg 1(th-16th June 1990).

The Genetical Society
University College London
Cloning strategies for G-protein coupled receptors.
London, 10th november 1990.

10th International Thyroid Conference
Molecular Genetics of Tg and TSHr
Feb. 1991 THE HAGUE Nederland

Gunma Symposium of Endocrinology.

Molecular genetics of thyroid autoantigens.
Maebashi January 1991.

Meeting on Seven-Transmembrane segment proteins.
Identification of adenosine A₁ and A₂ receptors amongst a series of orphan receptors.
The Banbury Center, Cold Spring Harbor Laboratory,
17-20 March 1991.

25th Annual Scientific Meeting European Society for Clinical Investigation.
Invited lecture : Molecular genetics of the TSH receptor.
Pisa 3-6 April 1991.

Symposium Pharmaco-Clinique Roussel UCLAF n°13
"Seven transembrane domain receptors and signal transduction mechanisms"
The thyrotropin and adenosine receptors and their actions in the thyroid gland.
Paris, May 23 and 24, 1991.

THYROID 91
The George Murray Lecture
Molecular Genetics of the Thyrotropin Receptor
Newcastle upon Tyne 4/5 July 1991.

Invited seminar at Merck Sharp Dohme
"Identification of new receptors amongst a series of
Orphan G protein-coupled receptors".
West Point, USA, 15 october 1991.

Collegium Internationale Neuro-Psychopharmacologicum
"Identification of orphan G-protein coupled receptors"
Nice, 29th June 1992.

9th International Congress of Endocrinology
"Molecular genetics of the TSH receptor"
Nice. August 30-September 5 1992.

Nobel Symposium FRONTIERS IN MEDICINE
"Molecular Genetics of Thyroid Diseases"
Stockholm. September 9 1993

18th Symposium : HORMONES AND CELL REGULATION
"G protein-coupled receptors: cloning and structure-
function relationships by analysis of spontaneous
mutations".
Mont Sainte-Odile, Alsace 24-27 Septembre 1993

1994 Annual Meeting of the Endocrine Society
TSH Receptor and Its Deeds
Anaheim-USA, June 16 -1994.

IIIrd European Congress of Endocrinology
Molecular Genetics and Pathology of the TSH Receptor.
Amsterdam, July 17-22 -1994.

SYMPOSIUM : "The TSH Receptor" Mutation Analysis

Chicago, September 30 - 1994.

The New York Academy of Sciences
Receptor Activation by Antigens, Cytokines, Hormones and Growth Factors.
The G Protein Coupled Receptor Family
Orlando, October 21-24 - 1994.

G. Protein-coupled Receptors - Mayo Clinic
Rochester Minn. USA - November 1994

185th Meeting of the Society for Endocrinology
with the Endocrine Section of the Royal Society of Medicine.
Graves' disease: from TSH receptor to treatment Molecular Genetics of the TSH receptor
London 23-225 November 1994

The ALfred Benzon Symposium no. 39
7TM Receptors : Structure and Function In Drug Research
Copenhagen, June 11-15, 1995

Sumposium at the Rauschholzhausen Castle
Molecular Basis of Disease
Defects in Signal Transduction Components
Giesem, June 15-17, 1995

The Grecc and Division of Endocrinology
"Molecular Genetics and Pathology of the TSH Receptor"
Miami, VA Medical Center, February 9 1996

Winter Symposia, Bio/Technology
"Advances in Gene technology: Therapeutic strategies in Molecular Medicine
Molecular Genetics and Pathology of G Protein-coupled Receptors.
Miami, February 10-14 1996

30th Annual Scientific Meeting of the European Society for Clinical Investigation.
Molecular Pathology of The Thyroid
The TSH receptor and thyroid disease
Interlaken, Switzerland, April 24-27,1996

Congreso de la Sociedad Espanola de Endocrinologia y Nutricion
Patologia Molecular del Receptor de TSH.
España, Barcelona, 29,30 y 31 de Mayo de 1996.

11th International Symposium on Regulatory Peptides Molecular genetics and pathology of
G-protein coupled receptros to peptides and glycoprotein hormones (Plenary Hall)
Copenhagen, September 1996.

Internation Symposium on Molecular Thyroidology
Mutation in G-Protein-Coupled Receptors and Endocrine Diseases
Tokyo, Japan, 7th-8th March, 1997.

Fourth Forum on Peptides and Proteins
Molecular Genetics and Pathology of G Protein-coupled Receptors
Montpellier, March 9-14, 1997

Congres of Molecular Medicine CTPases in Growth and Oncogenesis :

Somatic and Germline Mutations of the TSH Receptor Gene in
Thyroid Disease
Berlin, May 3-5, 1997

International Symposium Genetics of Thyroid Disease
Gene disorders of thyroid function – familial hyperthyroidism
Munich, September 5-7, 1997.

18th Blankenese Conference
Characterization of orphan G protein-coupled receptors.
Hamburg-Blankenese, Germany May 13-17, 1998.

FEBS Meeting Copenhagen 7-11 July 1998.
Symposium on G protein coupled receptors. Activating and inactivating mutations of the
TSHr.

XIIIth International Congress of Pharmacology
Receptor signalling states and pathological implications.
Munich, Germany, 26-31 July 1998.

European Society for Pediatric Endocrinology
Mutations of the TSH receptor and Thyroid diseases.
Florence, Italy, 27 September 1998.

Fourth International Dahlem Symposium on
« Cellular Signal Recognition and Transduction »
Berlin, Germany, 8-10 October 1998.

Diciassettesime Giornate Italiane Della Tiroide
« The TSH receptor and thyroid diseases »
Ferrare, Italia, 9-11 June 1999.

19th Joint Meeting in the British Thyroid Societies
« The Thyrotrophin receptor in disease »
Birmingham, UK, 13-16 March 2000.

2nd Annual Endocrine Specialist Symposium
Molecular biology of thyrotoxicosis
Snekkersten, Denmark, 6-7 October 2000

4th Annual HypoCCS Symposium and Investigations Meeting
The thyrotropin receptor and thyroid diseases.
Toronto, Canada, 24-27 June 2000.

12th International Thyroid Congress
Symposium 1 Congenital Hypothyroidism
Kyoto, Japan, 22-27 October 2000.

Latin American – Thyroid Society – IX Congress
The TSH receptor : from the molecular basis to the clinical applications
Hot Thyroid Nodules
Rio de Janeiro, Brazil, 28 May 2001

Accademia Nazionale Del Lincei
Signal transduction and neoplastic transformation in endocrine
systems : Molecular mechanisms and clinical aspects.
Molecular dissection of the TSH receptor.

Roma, 5-6 aprile 2002

28th Annual Meeting of the European Thyroid Association
TSH-receptor function mutations and thyroid dysgenesis
Göteborg – Sweden, September 2002.

The Endocrine Society. Philadelphia June 2003.
Aurbach lecture award: Molecular genetics of glycoprotein hormone receptors.

Asean Federation of Endocrine Societies. 30-Nov – 4 December 2003. Singapore.
Mechanisms of TSH receptor activation.

11th International Symposium on Molecular Thyroidology. March 19-20, 2004
Okinawa. Japan

International Congress of Endocrinology, August 31-September 4, 2004 in Lisbon, Portugal.

International Conference on Gonadotropins and Receptors. Athens Georgia USA(April 13-17, 2005

13th International Thyroid Congress. Buenos Aires Argentina Oct 30- Nov 4th. 2005.

IPSEN Symposium. Paris December 5, 2005. Insights into receptor function and new drug development targets A molecular dissection of the glycoprotein hormone receptors.

Keystone Symposium on G Protein-Coupled Receptors: Evolving Concepts and New Techniques, Feb 12 - Feb 17, 2006, Keystone Resort in Keystone, Colorado.USA.

Staff Round at the John Radcliffe Hospital. March 1, 2006. “New clinical medical insights from G protein-coupled receptors”

Seminar at OCDEM, Oxford UK. March 2, 2006. “Molecular dissection of glycoprotein hormone receptors”

Seminar at the Institute of Reproductive and Developmental Biology (IRDB) Imperial College London: Febr 3, 2006. "Molecular pathology of glycoprotein hormone receptors and other GPCRs with relevance to reproduction"

ICC, BIRMINGHAM, UK SOCIETY FOR ENDOCRINOLOGY BES 5-8 March 2007
TSH receptor function.

32th Conference Hormones and Cell Regulation, 14-16 sept 2007 (Mont St Odile, France)
"GPCR-complexes and GPCR complexity".

Keystone Symposium on G Protein-Coupled Receptors: April, 2008, Killarney Ireland.

GPCR meeting Barcelona 5th March 2009. Orphan GPCRs.

International Thyroid Conference. Paris, September 2010.

International Congress of Endocrinology. Kyoto February 2010. Plenary Lecture.