

CURRICULUM VITAE

Name : VASSART
First name : 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 in Clinical Chemistry

PROFESSIONAL POSITIONS.

ACADEMIC.

- 1970-1974

Aspirant at the Belgian FNRS
Institut de Recherche Interdisciplinaire en Biologie Humaine et Nucléaire (directeur prof. J.E. Dumont).

- 1974-1978

Chargé de Recherche FNRS

- 1978-1982

Chercheur qualifié FNRS

- 1982-1983

Maître de Recherche FNRS

- 1990- present.

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

- 1991- 2001

Vice-Director of the "Institut de Recherche interdisciplinaire en Biologie Humaine et Moléculaire" University of Brussels.

- 2001- present

Director of the "Institut de Recherche interdisciplinaire en Biologie Humaine et Moléculaire" University of Brussels.

IN THE HOSPITAL

- 1969-1970
Internship in Internal medicine; Hopital St Pierre Brussels..
- 1983-1996
Head of Clinics - Department of Clinical Chemistry.
Academic Erasme Hospital. Univ. Brussels.
- 1996-present.
Head of the Department of Medical Genetics
Academic Erasme Hospital. Univ. Brussels.

TEACHING

- 1974-1983
Lecturer in biochemistry (Dental school Univ. Brussels)
- 1987-1989
Genetics (Post- graduate course in medical research)
Flemish University of Brussels.
- 1989-present.
Medical Genetics for medical students (Faculty of Medicine,
Univ. Brussels).

AWARDS

- Fleurice Mercier award: 1967 - 1968 - 1969.
- Award of the Belgian Academy of Medicine: 1973-1975.
- Harrington Prize (award of the European Thyroid association) 1978.
- Merck Sharp et Dohme award 1988.
- Henri De Kerkheere Foundation award 1989.
- Francqui Prize 1993 (the highest Belgian award in Science for the under 50).
- Merck prize 1995 of the European Thyroid Association
- Van Geysel European award for biomedical research 2.000
- Docteur honoris causa de l'Université René Descartes 2.000.

MEMBER OF SCIENTIFIC SOCIETIES.

- 1) Société Belge de Biochimie
- 2) European Thyroid Association
- 3) Thyroid club (U.K.)
- 4) Biochemical Society (U.K.)
- 5) Member of the Académie de Médecine of Belgium.
- 6) European Society for Genetics
- 7) Scientific committee of the "Institut Cochin de Génétique Moléculaire" Paris. France.
- 8) Member of the Human Genome Organization (HUGO).
- 9) Member of EMBO.

REGULAR REFEREE of

JBC; Mol. Endo.; EMBO J; PNAS; Mol. Cell. Endo.; Endocrinology; J. Clin. Endo. Metab.; Eur. J. Biochem; Biochem J.; Nature Genetics; Eur. J. Endocrinology

TRAINEES:

Ch. DINSART C. Chemistry (1979)
L. MERCKEN Chemistry (1985)
B. VAN HEUVERSWIJN Biochemistry (1985)
G. DE MARTYNOFF Chemistry (1987)
A. LERICHE Chemistry (1987)
Ph. SIMON (1987)
C. HANSEN Chemistry (1989)
F. JAVAUX Chemistry (1989)
J. PARMA Chemistry (1989)
C. GERARD Biology (1989)
F. LIBERT Chemistry (1991)
M. ABRAMOWICZ (1992)
J. PERRET Chemistry (1992)
C. LEDENT (1992)
C. STREYDIO B.M.A. (1992)
P. HILBERT B.M.A. (1993)
P. VAN RENTERGHEM Chemistry (1995)
V. BERG Chemistry (1995)
O. LABBE B.M.A (1996)
P. VANDERHAEGHEN (1997)
S.COSTAGLIOLA (2000)
G.SMITS (2003)

EDITOR, CO-EDITOR

- Endocrine Reviews
- Mol. Cell. Endo.
- Medecine Sciences
- Endocrinology

MAIN GRANTS

1. F.R.S.M. " Etude du Contrôle de la Synthèse Protéique dans la Thyroïdie et dans l'Hypophyse ".
1979-1982 1982-1985
no. 3.4543
2. National Institute of Health (USA)
" Study of the Expression of the Thyroglobulin Gene "
1979 - 1990
no. 21732
3. F.R.S.M. " Application de la génétique moléculaire au conseil génétique et au diagnostic anténatal "
1985 - 1988; 1988-1990; 1991-1996; 1997-present.
4. Caisse Générale d'Epargne et de Retraite (Fonds Cancer)
Etude de la carcinogénèse thyroïdienne
5. Région Wallonne - Techland S.A.
"Clonage et expression d'antigènes thyroïdiens à intérêts diagnostiques"
1985 - 1987
6. Sciences de la Vie (Ministère de la Politique Scientifique)
"Regulation of the expression of genes involved in differentiation and proliferation (Proto-oncogenes) in differentiated mammalian cells and their derived tumors"
1988 - 1992
7. FRSM - Loterie Nationale
développement d'une unité de microinjection, application à l'étude de l'expression des gènes : génération de souris transgéniques et introduction de protéines régulatrices dans des cellules en culture
1988
8. FRSM - Loterie Nationale.
Utilisation d'un séquenceur d'ADN.
9. Ministère de la Politique Scientifique. Pôle d'Attraction Interuniversitaire (PAI). 1990 - 1995.
10. Ministère de la Politique Scientifique. Pôle d'Attraction. Interuniversitaire (PAI). 1997 - 2002.
12. Ministère de la Politique Scientifique. Pôle d'Attraction. Interuniversitaire (PAI). 2002 - 2006.

PATENTS.

1- Polypeptides having thyrotropin receptor activity, nucleic acid sequences coding for such receptors and polypeptides, and applications of these polypeptides. Parmentier M, Libert F, Dumont JE, Vassart G. Patent filed in all european countries (89403493.3), United States, Canada and Japan (1989).

2- Ligand of the ORL1 receptor (1995). Parmentier M, Vassart G, Meunier JC, Mollereau C. Provisional patent filed in the United States (Application number: 60/002,368).

3- New chemokine receptor and nucleic acid molecule encoding said receptor. Samson M, Labbé O, Vassart G and Parmentier M. European patent application 96870021.1 (filing date: 1/3/1996).

INVITED SPEAKER AT INTERNATIONAL AND NATIONAL MEETINGS

1. Aspects of Thyroid Function : the biosynthesis of thyroglobulin.
Querido Symposium, Leiden, 1974
2. 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, 1976
3. a : Thyroglobulin - its synthesis, its structure.
b : Control of gene expression by thyroid hormone in the pituitary
IIIrd Argentine Colloquium on Thyroid Hormones, BUENOS AIRES, Novembre 1976.
4. Xenopus oocyte as a tool for the study of DNA transcription and messenger RNA translation.
EMBO Sponsored Meeting - Brussels, July, 1977
Translation of thyroglobulin messenger RNA in Xenopus oocyte as means to determine thyroglobulin quaternary structure.
5. Teaching course in basic Thyroidology.
Thyroglobulin : synthesis, structure, iodination.
Lyon, septembre 1977, VIII Meeting of the European Thyroid Association.
6. Hormonal regulation of specific gene expression.
FEBS advanced course, London 1978.
7. Regulation of Prolactin and Growth Hormone production.
Seminar on brain peptides and proteins sponsored by the European Society for Neurochemistry. Brussels, Decembre 1978
8. Normal and defective expression of the thyroglobulin gene.
Réunion commune des Sociétés Belge et Française d'Endocrinologie. Bruxelles, mai 1979.
9. Normal and Defective Expression of the Thyroglobulin gene.
Joint Meeting of the Belgian and Dutch Biochemical Societies. Antwerpen, June 1980.
10. Molecular cloning as a tool to investigate control of cell physiology.
Nato Course, Brussels, July 1980.
11. Structure and expression of the thyroglobulin gene.
3^e Congrès Français d'Endocrinologie. Lille, Septembre 1982, France.
12. Expression of the thyroglobulin gene.
7th European Symposium on Hormones and Cell Regulation. Mont St-Odile, Octobre 1982, France.
13. Pitt Rivers Lecture

Thyroid Club. Meeting of the British Endocrine Societies.
Edinburgh, 27-29 March 1984.

14. The thyroglobulin gene : Structure and control of its expression.
15th Meeting of the Federation of the European Biochemical Societies. Brussels, 24-29 July 1983.
15. Structure et expression du gène de la Thyroglobuline.
Académie Royale de Médecine de Belgique Séance du 24 septembre 1983.
16. Synthesis of Thyroglobulin.
The prothyroid hormone symposium Toronto. June 26th 1984.
17. Control of thyroglobulin gene expression by TSH.
Gordon conference "Cyclic Nucleotides " June 11-15 1985.
New Hampshire.
18. International symposium : Thyroid function tests.
Bendor, France, 9-10 May 1985.
19. First European Symposium on Thyroid Cancer.
Montpellier, France, 6-7 June 1985.
20. Colloquium on Thyroid Hormone Dysfunctions.
13th International Congress of Biochemistry, Amsterdam,
25-30 August 1985.
21. Symposium on hereditary disorders of the Thyroid.
International Thyroid Conference, Sao Paulo,
Septembre 2-6 1985.
22. Congrès Français d'Endocrinologie, Bordeaux, 3-5
Octobre 1985.
23. Trends in thyroid physiopathology.
Symposium of the "29 journées internationales Henri-
Pierre Klotz d'endocrinologie clinique.
Paris, May 23-24, 1986.
24. 15th Annual meeting of the European Thyroid Association.
Introduction lecture to the " Thyroglobulin " session
Stockholm, July 1986.
25. International Conferences on Calcium Regulating Hormones :
IX international conference.
"Control of Thyroglobulin gene transcription".
Nice, october 1986.
26. DNA Diagnosis in constitutional and malignant genetic diseases.
2nd International Human Genetics summer course.
"Normal and defective expression of the Thyroglobulin
Gene".
Leuven, July 22-29 1986.
27. Hormones and Cell Regulation (Inserm meeting)

- Mont St. Odile. France 30 sept. 1986.
"Control of Thyroglobulin gene expression".
28. Genetic engineering in Belgium : research and perspective of industrial applications.
"Normal and pathologic expression of genes : the thyroid model".
Meeting of the "Société chimique de Belgique"
Bruxelles le 20 mars 1987.
29. Journées médicales de Bruxelles.
" les applications de la génétique moléculaire en génétique clinique ".
Bruxelles, le 24 avril 1987.
30. Molecular biological approaches to thyroid research.
International symposium Reisenburg June 1987.
" Control of thyroglobulin gene transcription by THS and cAMP."
31. 1st postgraduate course in endocrinology.
" Molecular genetics ".
Roma 3 october 1987.
32. Quinte Giornate italiane della Tiroide.
"Molecular genetics of thyroglobulin and thyroperoxidase."
Parma 4 - 6 november 1987.
33. Société belge de biochimie
" Control of thyroglobulin gene expression "
Bruxelles, le 27 février 1988.
34. Fourth international symposium of the Austrian, French Luxembourg, Netherland, Swiss and Belgian societies of clinical chemistry.
" Application of the DNA fingerprint technology to pedigree analysis.
Bruges 26-28 May 1988.
35. 3rd international genetics summer course : DNA diagnosis in constitutional and malignant genetic diseases.
"DNA fingerprinting in human and animal genetics".
Leuven 25-30 July 1988.
36. Société de Néphrologie.
"Application des méthodes de génétique moléculaire au diagnostic des maladies héréditaires".
Bruxelles, le 20 octobre 1988.
37. Workshop on International cooperation for the human genome project.
Valencia 24-26 october 1988.
38. Workshop on The molecular Biology of autoimmune diseases.
Athens 16-20 April 1988.

39. Symposium : "Physiological regulation and biological function of Thyrotropin".
Hannover 1-3 June 1989.
40. International symposium " Thyroid Gland, environment and autoimmunity ".
Amsterdam 18-20 October 1989.
41. International symposium on Thyroperoxidase.
Marseille 28-30 June 1990.
42. "Les Perspectives de la Génétique Moléculaire et de la biologie cellulaire pour la sélection du bétail".
Journée d'étude IRSIA.
Bruxelles, 16 octobre 1989.
43. International Symposium on "Molecular Basis of Thyromimetic Activity"
TSH receptor Structure
Ulm, Reisensburg 1(th-16th June 1990).
44. The Genetical Society
University College London
Cloning strategies for G-protein coupled receptors.
London, 10th november 1990.
45. 10th International Thyroid Conference
Molecular Genetics of Tg and TSHr
Feb. 1991 THE HAGUE
46. Gunma Symposium of Endocrinology.
Molecular genetics of thyroid autoantigens.
Maebashi January 1991.
47. 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.
48. 25th Annual Scientific Meeting European Society for Clinical Investigation.
Invited lecture : Molecular genetics of the TSH receptor.
Pisa 3-6 April 1991.
49. 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.
50. THYROID 91
The George Murray Lecture
Molecular Genetics of the Thyrotropin Receptor
Newcastle upon Tyne 4/5 July 1991.

51. 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.
52. Conférences LILLY
Récepteurs membranaires et moléculaire d'adhésion:
Récents développements et perspectives médicales.
"Récepteurs couplés aux protéines G."
Paris, 22 octobre 1991.
53. Collège de France
Chaire de Médecine Expérimentale
"Récepteurs de la TSH et de l'adénosine dans la glande thyroïde".
Paris, 27 janviers 1992.
54. Collegium Internationale Neuro-Psychopharmacologicum
"Identification of orphan G-protein coupled receptors"
Nice, 29th June 1992.
55. 9th International Congress of Endocrinology
"Molecular genetics of the TSH receptor"
Nice. August 30-September 5 1992.
56. Nobel Symposium FRONTIERS IN MEDICINE
"Molecular Genetics of Thyroid Diseases"
Stockholm. September 9 1993
57. 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
58. XI^o Congrès de la Société Française d'Endocrinologie
Régulation de l'expression des récepteurs membranaires
Régulation de l'expression du récepteur de la TSH
St. Malo, 30 septembre 1993
59. Journée Annuelles de la Société de Néphrologie
Les récepteurs couplés de la protéine G
Palais des Congrès - Bruxelles
Bruxelles, 21-22 octobre 1993.
60. European Society of Pediatric Radiology
Molecular Biology applied to Clinical Pediatrics
Brussels, 1-3 june 1994.
61. 1994 Annual Meeting of the Endocrine Society
TSH Receptor and Its Deeds
Anaheim-USA, June 16 -1994.
62. IIIrd European Congress of Endocrinology
Molecular Genetics and Pathology of the TSH Receptor.
Amsterdam, July 17-22 -1994.

63. SYMPOSIUM : "The TSH Receptor"
Mutation Analysis
Chicago, September 30 - 1994.
- 64 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.
- 65 G. Protein-coupled Receptors - Mayo Clinic
Rochester Minn. USA - November 1994
- 66 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 23-25 November 1994
- 67 New Trends in Molecular Biotechnology: Basic and applied
Aspects.
G. Protein-coupled Receptors: Causes of Diseases, Targets
for Drugs.
Louvain-La-Neuve, September 13-15, 1995.
- 68 The Alfred Benzon Symposium no. 39
7TM Receptors
Structure and Function In Drug Research
Copenhagen, June 11-15, 1995
- 69 Symposium at the Rauischholzhausen Castle
Molecular Basis of Disease
Defects in Signal Transduction Components
Giesem, June 15-17, 1995
- 70 13^e Congrès de la Société Française d'Endocrinologie
"Pathologie des Récepteurs Membranaires"
Nancy, 31 août au 2 septembre 1995.
- 71 The Grecc and Division of Endocrinology
"Molecular Genetics and Pathology of the TSH Receptor"
Miami, VA Medical Center, February 9 1996
- 72 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
- 73 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

- 74 Journées Internationales Henri-Pierre Klotz
d'endocrinologie clinique.
Anomalies génétiques du récepteur de la TSH dans les
tumeurs sporadiques de la thyroïde.
Paris, France, Mai 30, 1996
- 75 39 Congreso de la Sociedad Española de Endocrinología y
Nutrición
Patología Molecular del Receptor de TSH.
Mutaciones activantes del gen del receptor de TSH en l
adenoma toxico y en el hipertiroidismo hereditario no
autoinmune.
España, Barcelona, 29,30 y 31 de Mayo de 1996.
- 76 40 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.
- 77 Internation Symposium on Molecular Thyroidology
Mutation in G-Protein-Coupled Receptors and Endocrine
Diseases
Tokyo, Japan, 7th-8th March, 1997.
- 78 Fourth Forum on Peptides and Proteins
Molecular Genetics and Pathology of G Protein-coupled
Receptors
Montpellier, March 9-14, 1997
- 79 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
- 80 International Symposium
Genetics of Thyroid Disease
Gene disorders of thyroid function – familial
hyperthyroidism
Munich, September 5-7, 1997.
- 81 18th Blankenese Conference
Characterization of orphan G protein-coupled receptors.
Hamburg-Blankenese, Germany May 13-17, 1998.
- 82 FEBS Meeting Copenhagen 7-11 July 1998.
Symposium on G protein coupled receptors. Activating and
inactivating mutations of the TSHr.
- 83 XIIIth International Congress of Pharmacology
Receptor signalling states and pathological implications.
Munchen, Germany, 26-31 July 1998.
- 84 European Society for Pediatric Endocrinology
Mutations of the TSH receptor and Thyroid diseases.

Florence, Italy, 27 September 1998.

- 85 Fourth International Dahlem Symposium on
« Cellular Signal Recognition and Transduction »
Berlin, Germany, 8-10 October 1998.
- Eurogenetics Symposium
« Molecular diagnosis in thyroid diseases »
Masaccio Room, Italia, Thursday 10th June 1999.
- 86 Diciassettesime Giornate Italiane Della Tiroide
« The TSH receptor and thyroid diseases »
Ferrare, Italia, 9-11 June 1999.
- 87 19th Joint Meeting in the British Thyroid Societies
« The Thyrotrophin receptor in disease »
Birmingham, UK, 13-16 March 2000.
- 88 2nd Annual Endocrine Specialist Symposium
Molecular biology of thyrotoxicosis
Snekkersten, Denmark, 6-7 October 2000
- 89 4th Annual HypoCCS Symposium and Investigations Meeting
The thyrotrophin receptor and thyroid diseases.
Toronto, Canada, 24-27 June 2000.
- 90 12th International Thyroid Congress
Symposium 1 Congenital Hypothyroidism
Kyoto, Japan, 22-27 October 2000.
- 91 Congrès de la Société Belge de Pédiatrie
Anomalies Thyroïdennes Congénitales
29^{èmes} Journées Annuelles
Bruxelles, Belgique, 23-24 Mars 2001.
- 92 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
- 93 8th EFES Postgraduate Course in Clinical Endocrinology
Molecular dissection of the thyrotrophin receptor
Louvain-la-Neuve, Belgique, 19-21 Octobre 2001.
- 94 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
- 95 Journée IFR3
A day in the life of G protein-coupled receptors.
Structure-function of glycoprotein hormone receptors : lessons from natural mutants
Montpellier, 22 avril 2002
- 96 28th Annual Meeting of the European Thyroid Association
TSH-receptor function mutations and thyroid dysgenesis
Göteborg – Sweden, September 2002.

- 97 The Endocrine Society. Philadelphia June 2003.
Aurbach lecture award: Molecular genetics of glycoprotein hormone receptors.
- 98 FEBS Meeting Brussels July 2003. Molecular dissection of glycoprotein hormone receptors.
- 99 Asean Federation of Endocrine Societies. 30-Nov – 4 December 2003. Singapore.
Mechanisms of TSH receptor activation.
- 100 11th International Symposium on Molecular Thyroidology. March 19–20, 2004
Okinawa
- 101 International Congress of Endocrinology, August 31-September 4, 2004 in Lisbon,
Portugal.



Gilbert Vassart **Original Articles**

1. Vassart GM, Dumont JE, Cantraine FR 1970 Simulation of polyribosome disaggregation. *Biochim Biophys Acta* 224:155-164
2. Vassart G, Dumont JE, Cantraine FR 1971 Translational control of protein synthesis: a simulation study. *Biochim Biophys Acta* 247:471-485
3. Vassart GM, Dumont JE, Cantraine FR 1971 Interpretation of surface aspects of cell sections. *J Cell Biol* 49:210-212
4. Vassart G 1972 Specific synthesis of thyroglobulin on membrane-bound thyroid polysomes. *FEBS Lett* 22:53-56
5. Vassart G, Brocas H, Nokin P, Dumont JE 1973 Translation in *Xenopus* oocytes of thyroglobulin mRNA isolated by poly(U)-Sephadex affinity chromatography. *Biochim Biophys Acta* 324:575-580
6. Vassart G, Dumont JE 1973 Identification of polysomes synthesizing thyroglobulin. *Eur J Biochem* 32:322-330
7. Vassart G, Lecocq RE, Brocas H, Dumont JE 1974 Translation in *Xenopus* oocyte of messenger RNA coding for a beef heavy-chain thyroglobulin. *Biochim Biophys Acta* 353:261-265
8. Vassart G, Refetoff S, Brocas H, Dinsart C, Dumont JE 1975 Translation of thyroglobulin 33S messenger RNA as a means of determining thyroglobulin quaternary structure. *Proc Natl Acad Sci U S A* 72:3839-3843
9. Vassart G, Brocas H, Lecocq R, Dumont JE 1975 Thyroglobulin messenger RNA: translation of a 33-S mRNA into a peptide immunologically related to thyroglobulin. *Eur J Biochem* 55:15-22
10. Brocas H, Seo H, Refetoff S, Vassart G 1976 Simultaneous translation of growth hormone and prolactin messenger RNA from rat pituitary tumor cells. *FEBS Lett* 70:175-179
11. Dinsart C, Lecocq R, Dumont JE, Vassart G 1976 Control by TSH of protein turnover in thyroid subcellular fractions. *Horm Metab Res* 8:140-145
12. Davies E, Dumont JE, Vassart G 1977 Improved techniques for the isolation of intact thyroglobulin-synthesizing polysomes. *Anal Biochem* 80:289-297
13. Dinsart C, Van Voorthuizen F, Vassart G 1977 Reverse transcription of thyroglobulin 33-S mRNA. *Eur J Biochem* 78:175-181
14. Seo H, Vassart G, Brocas H, Refetoff S 1977 Triiodothyronine stimulates specifically growth hormone mRNA in rat pituitary tumor cells. *Proc Natl Acad Sci U S A* 74:2054-2058
15. Vassart G, Verstreken L, Dinsart C 1977 Molecular weight of thyroglobulin 33 S messenger RNA as determined by polyacrylamide gel electrophoresis in the presence of formamide. *FEBS Lett* 79:15-18
16. Davies E, Dumont JE, Vassart G 1978 Thyrotropin-stimulated recruitment of free monoribosomes on to membrane-bound thyroglobulin-synthesizing polyribosomes. *Biochem J* 172:227-231
17. Seo H, Brocas H, Vassart G, Refetoff S 1978 Early in vitro induction of rat pituitary GH mRNA by T31. *Endocrinology* 103:1506-1509
18. Van Voorthuizen WF, Dinsart C, Flavell RA, DeVijlder JJ, Vassart G 1978 Abnormal cellular localization of thyroglobulin mRNA associated with hereditary congenital goiter and thyroglobulin deficiency. *Proc Natl Acad Sci U S A* 75:74-78
19. Seo H, Refetoff S, Martino E, Vassart G, Brocas H 1979 The differential stimulatory effect of thyroid hormone on growth hormone synthesis and estrogen on prolactin synthesis due to accumulation of specific messenger ribonucleic acids. *Endocrinology* 104:1083-1090

20. Seo H, Refetoff S, Scherberg N, Brocas H, Vassart G 1979 Isolation of rat prolactin messenger ribonucleic acid and synthesis of the complementary deoxyribonucleic acid. *Endocrinology* 105:1481-1487
21. Seo H, Refetoff S, Vassart G, Brocas H 1979 Comparison of primary and secondary stimulation of male rats by estradiol in terms of prolactin synthesis and mRNA accumulation in the pituitary. *Proc Natl Acad Sci U S A* 76:824-828
22. Brocas H, Christophe D, Van Heuverswijn B, Scherberg N, Vassart G 1980 Molecular cloning of Pst I fragments from rat double stranded thyroglobulin complementary DNA. *Biochem Biophys Res Commun* 96:1785-1792
23. Christophe D, Brocas H, Gannon F, de Martynoff G, Pays E, Vassart G 1980 Molecular cloning of bovine thyroglobulin complementary DNA. Characterization of 2500-base-pair and 1900-base-pair fragments. *Eur J Biochem* 111:419-423
24. de Martynoff G, Pays E, Vassart G 1980 Synthesis of a full length DNA complementary to thyroglobulin 33 S messenger RNA. *Biochem Biophys Res Commun* 93:645-653
25. Vassart G, Brocas H 1980 Restriction mapping of synthetic thyroglobulin structural gene as a means of investigating thyroglobulin structure. *Biochim Biophys Acta* 610:189-194
26. Brocas H, van Coevorden A, Seo H, Refetoff S, Vassart G 1981 Dopaminergic control of prolactin mRNA accumulation in the pituitary of the male rat. *Mol Cell Endocrinol* 22:25-30
27. De Vijlder JJ, van Ommen GJ, Van Voorthuizen WF, Koch CA, Arnberg AC, Vassart G, Dinsart C, Flavell RA 1981 Nonfunctional thyroglobulin messenger RNA in goats with hereditary congenital goiter. *J Mol Appl Genet* 1:51-59
28. Etienne Smekens M, Vassart G, Content J, Dumont JE 1981 Presence of 2'-5' A synthetase in dog liver. *FEBS Lett* 125:146-150
29. Pochet R, Brocas H, Vassart G, Toubeau G, Seo H, Refetoff S, Dumont JE, Pasteels JL 1981 Radioautographic localization of prolactin messenger RNA on histological sections by in situ hybridization. *Brain Res* 211:433-438
30. Scherberg NH, Vassart G, Lecocq R, Dumont JE, Refetoff S 1981 Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. *Endocrinology* 109:1650-1656
31. Seo H, Wunderlich C, Vassart G, Refetoff S 1981 Growth hormone responses to thyroid hormone in the neonatal rat: resistance and anamnestic response. *J Clin Invest* 67:569-574
32. Brocas H, Christophe D, Pohl V, Vassart G 1982 Cloning of human thyroglobulin complementary DNA. *FEBS Lett* 137:189-192
33. Christophe D, Pohl V, Van Heuverswijn B, de Martynoff G, Brocas H, Dumont JE, Pasteels JL, Vassart G 1982 Isolation and characterization of a fragment of rat thyroglobulin gene. *Biochem Biophys Res Commun* 105:1166-1175
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