Yolène Thomas

French Nationality, "résident permanent", USA

Mailing Address:
UPR 9045/ FRE2942, Institut Andre Lwoff IFR 89, University Paris XI
7, rue Guy Moquet-, 94 801 Villejuif Cedex, France
tel: (33) 01 49 58 34 81
email : yolene@noos.fr

Education

1978 PhD, University Paris XI
1985 Docteur d'état *es* Sciences, University Paris V

Professional experiences

1979-80 Posdoctoral Fellow, Columbia University, Dept of Medicine, New York, USA
1980-82 Research Associate, Columbia Univ.,, Dept of Medicine New York, .
1982-85 Assistant Professor, Columbia University, Dept of Medicine New York.
1983-85 Assistant Professor, Columbia University, Dept of Microbiology New York
1981-85 Head of the team "Human T cell subsets", Columbia University, Dept of Medicine New York
1986-95 Chargé de recherche CNRS, INSERM U200, Clamart, France
1990 Research Director CNRS
1986-95 Head of the team "Phospholipid mediators and the Immune response" , INSERM U200.
1998-03 Head of the team "Environmental health", UMR 8505/ENS-LHS, St Cloud.
1999-present Scientific co- Founder VigiCell SAS
2002-present Scientific co- Founder ADDES SAS
2004-present Research Director CNRS, UPR 9045, Institut Andre Lwoff IFR 89, Villejuif

Teaching

1983-85 Immunology, 1er cycle d'Etudes Médicales, Columbia Univ., New York.
1983-85 Microbiology, 2éme c ycle d'Etudes Médicales,Columbia Univ., New York.
1990 D.E.S.C d' Immunopathologie, Hop. St Louis, Paris
1991 D.E.A. de Biologie cutanée, University Paris XII.
1989-92 D.E.A. Structure et fonctionnement des systèmes biol. intégrés, University Paris IX
1989-92 D.E.A. de Biotechnologie, University Paris VI.
1990-95 Immunologie, Maîtrise des Sciences Biologiques et Médicales, University Paris XI,
1998-99 D.E.A ETES: Environnement, Temps, Espaces, Sociétés, University Paris I
2000-03 D.E.A HETRE: Hommes, Espaces, Temps, Environnement, ENS-LSH / University Paris I
2002-03 Gestion de la Qualité et des Risques dans les Industries de la Santé, DEUST Biologie Santé Environnement, University Paris VI.

Memberships, awards and honors

1977 French Cancer Society Scolarship (ARC)
1979 Post doctoral fellowship from the French Foreign Minister
1982 American Association of Immunologists
1982 Young Investigator Award, American Rheumatism Association
1982 Co-Investigator, National Institute of Health, USA

1982-85	Consultant: Ortho-Pharmaceutical Corporation, Raritan, NJ, USA
1982	American Federation of Clinical Research
1984	Faculty Member Association, Columbia University, New-York
1988	French Society of Immunology
1995-1998	Consultant : SEPhRA, Paris, France
1999-2004	Fondation Odier, Genève, Suisse
1999	Lauréat du Concours National pour la Création d'Entreprise
2003	NIH Innovation Initiative, G. H. Pollack, University of Washington, Seattle , USA
2004	CNISF : Conseil National des Ingenieurs et des Scientifiques de France
2005	Guest Editor Cellular Molecular Biology
	International Hormesis Society
2006-2010	Member of the Conseil Scientifique de Departement (CNRS) EDD

Miscellanous

Grants: ARC, NIH, Ministère de la Recherche et de l'Espace, ANRS, Ministère de l'Environnement, INERIS, Institut National de l'Environnement Industriel et des Risques, ADEME, Programme International de Coopération Scientifique (PICS) du CNRS, Agence de l'Eau Seine Normandie; IST call 4, FP6-2004-IST (europe, nanotechnologie)ToxiChip: Development of a toxin screening multi-parameter on-line biochip system (2006)...

private research resources : Ortho-Pharmaceutical Corporation, LouisVuitton-Moet-Hennessy, Bouygues /SAUR , Renault, Oenobiol, France Telecom, EDF, Vivendi...

Reviewer: Journal of Immunology, Cellular Immunology, Cellular pharmacology, National Institute of Health, FEBS Letters, Fondation pour la recherche médicale...

Selected publications (from ~110)

λ Thomas, Y., Sosman, J., Irigoyen, O.H., Friedman, S.M., Kung, P.C., Goldstein, G. & L. Chess. Functional analysis of human T cell subsets defined by monoclonal antibodies. I. Collaborative T-T interactions in the immunoregulation of B cell differentiation.*J. Immunol., 1980, 125:2402-2408*

λ Thomas, Y., Sosman, J., Rogozinski, L., Irigoyen, O.H., Kung, P.C., Goldstein, G. & L. Chess. Functional analysis of human T cell subsets defined by monoclonal antibodies. III. Regulation of helper factor production by T cell subsets. *J. Immunol., 1981, 126:1948-1951*

λ Thomas, Y., Rogozinski, L., Irigoyen, O.H., Friedman, S.M., Kung, P.C., Goldstein, G. & L. Chess. Functional analysis of human T cell subsets defined by monoclonal antibodies. IV. Induction of suppressor cells within the OKT4+ population. *J. Exp. Med., 1981, 154:459-467*

λ Thomas, Y., Rogozinski, L. & L. Chess. Relationship between human T cell functional heterogeneity and human T cell surface molecules. *Immunol. Rev., 1984, 74:113-128*

λ Littman, D., Thomas, Y., Chess, L., & R. Axel. The isolation and sequence of the gene encoding T8: A molecule defining functional classes of T lymphocytes. *Cell, 1985, 40:237-246*

λ Dulioust, A., Duprez, V., Pitton, C., Salem, P., Hemar, A., Benveniste, J. & Y. Thomas. Immunoregulatory functions of paf acether: III. Down regulation of CD4+ T cells high affinity Interleukin 2 receptor. *J. Immunol, 1990, 144:3123-3129*

λ Deryckx, S., de Waal Malefyt, R., Gauchat, J.F., Vivier, E., Thomas, Y., & J. de Vries. Immunoregulatory functions of paf-acether. VIII. Inhibition of IL4- induced human IgE synthesis in vitro. *J. Immunol, 1992, 148:1465-1470*

λ Calabresse, C., Nguer, M., Pellegrini, O., Benveniste, J., Richard, Y & Y. Thomas. Induction of high-affinity paf-acether receptor expression during T cell activation. *Eur. J. Immunol. 1992, 22:1349-1355*

λ Pellegrini, O., Davenas, E., Morin, L., Jurgens, P., Benveniste, J., Manuel, Y & Y.Thomas. Stress proteins in human lymphocytes. II. Modulation of stress proteins in a human T cell line. *Eur J Pharmac*, *1994, 270:221-229*

λ Tsangaris, G., El Azzouzi, B., Pellegrini, O., Benveniste, J., Manuel, Y & Y.Thomas. Cadmium induces apoptosis in a human T cell line. *Toxicology*, *1994, 88:127-139*

λ Thomas, Y, Belkadi, L., Pieri, I., Racaud, P., Oudinet, J.P, Manuel, Y., Degin, A. Use of a human T cell line to monitor the presence of non biocompatibles compounds in water intended for human use. *Techniques, Science, Methodes*, *1997, 11:52*

λ Thomas, Y., Schiff, M., Belkadi, L., Kahhah, L., Jurgens, P., J. Benveniste Activation of human neutrophils by electronically transmitted phorbol-myristate acetate, *Medical Hypotheses*, *2000, 54 (1), 33-39*

λ Quilbé R., Pieri, I., Tellier F,. Wichereck, S., Oudinet, JP., & Y Thomas, New strategies for the evaluation of water bioquality; *In*: Water from cell to lanscape, *Eds., Elsevier, Paris, 2000*

λ Quilbé R., Pieri I, Tastere A, Dugas N, Wicherek S., Thomas, Y, Oudinet, JP, Combinatory chemical and biological approaches to investigate metal elements in agricultural runoff water, *Journal Environmental Quality*, *2004, 33 : 149-153*

λ Vallée Ph, J Lafait, L Legrand, P Mentré, MO Monod & Y Thomas. Effects of pulsed low frequency electromagnetic fields on water using light scattering technique: role of bubbles, *Langmir*, *2005, , 21(6) : 2293 - 2299*

λ Quilbé R., C. Serreau, Wicherek S , Bernard C, Thomas Y, Oudinet JP, Nutrient transfer by Runoff from sewage sludge amended soil under simulated rainfall. *Environmen Monit Assess*. 2005, 100 :177-190

λ Vallée Ph, J Lafait, P Mentré, MO Monod & Y Thomas. Effects of pulsed low frequency electromagnetic fields on water using photoluminescence spectroscopy: role of bubble/water interface ? *J. Chem. Phys*. *2005 ; 122, 114513-114521.*

λ Thomas Y, P. Mentré These Scholars who talk to the wind. Introduction *Cell. Mol. Biol*. 2005 ; Dec 14; 51(7) :579-82

λ Thomas Y, Kahhak L, J Aissa. The physical nature of the biological signal, a puzzling phenomenon. *In, Water and the Cell,* 2006; pp 325–340. Ed. G. H. Pollack, I. L. Cameron and D. N. Wheatley (Springer, Dordrecht)

λ Calabrese EJ, Bachmann KA, Bailer J, Bolger PM, ...Thomas Y, Tubiana M, William GM, Mattson MP Biological stress response terminology: Integrating the Concepts of Adaptive Response and Preconditioning Stress Within a Hormetic Dose-Response Framework. *Toxicol Appl Pharmacol*. 2007 Mar 7