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FACULTY POSITIONS:

Université Claude Bernard – Lyon 1, Villeurbanne, France. September 2000 – present. Professor of Chemistry, UFR Chimie-Biochimie. *Organic Chemistry* (PR1). Carbohydrate chemistry, total synthesis of glycosidic natural products, targeted methodology, role of glycosylation in signal transduction and gene expression. Coordinator of the second-year MS program in *Synthesis, Catalysis and Sustainable Chemistry*.

Mississippi State University, Mississippi State, MS, USA. July 1994 – August 2000. Assistant Professor, Department of Chemistry. *Organic Chemistry*. Synthetic organic chemistry, structural basis for biological activity, synthetic organic electrochemistry.

STARTUPS (based on patents on which I am co-inventor):

GALKEM, Srl, via Italia, 46, Monza, Italy, December 2013. Luca Mologny CEO. Co-founder. SME specializing in the development of pharmacologically active molecules, in particular for the development of mechanism-based therapies targeting oncogenic fusion proteins such as ALK.

SEABELIFE Biotech, Roscoff, FR, Morgane Rousselot, CEO. Member scientific advisory board. Development of dual necroptosis-ferroptosis inhibitors as novel treatments for poorly managed pathologies.

EDUCATION:

University of Wisconsin, Madison, WI. September 1991 - June 1994. Postdoctoral studies, Prof. Edwin Vedejs. *Total synthesis of the pyrrolizidine alkaloid seco-base Otonecine*.

Harvard University, Cambridge, MA. January - June 1991. Postdoctoral studies, Prof. Yoshito Kishi. *The Conformational Analysis of C-Glycosides*.

Harvard University, Cambridge, MA. September 1984 - January 1991. Ph.D. in Organic Chemistry. Prof. Yoshito Kishi. *The Conformational Analysis of C-Glycosides: An Experimental Approach to Carbohydrate Conformation*.

Haverford College, Haverford PA. September 1980 - June 1984. B.A. in Chemistry.

INDUSTRIAL RESEARCH:

E.I. DuPont de Nemours, Experimental Research Station, Central Research and Development, Wilmington, Delaware. June - August 1984. *Synthesis of a suicide substrate inhibitor of cholesterol biosynthesis*.

PUBLICATIONS: 54 articles, 9 patents, 5 book chapters, 1 book

- Bach Stéphane, Comte Arnaud, Delehouze Claire, Dimanche-Boitrel Marie-Thérèse, Goekjian Peter. Use of Indole, 6- And 7- Azaindole Derivatives as Inhibitors of Ferroptosis Regulated Cell Death. Eur. Patent Application N° EP21305085.9, 25 Jan **2021**. PCT N° EP2022/051650 25 Jan **2022**.
- Yubo Wang, Lilianna Weremiejczyk, Agnieszka Strzelecka-Kiliszek, Ofelia Maniti, Ekeveliny Amabile Veschi, Mayte Bolean, Ana Paula Ramos, Layth Ben Trad, David Magne, Joanna Bandorowicz-Pikula, Slawomir Pikula, Jose Luis Millan, Peter Goekjian, Pietro Ciancaglini, René Buchet, Wei-Tao Dou, He Tian, Saida Mebarek, Xiao He, Thierry Granjon. "Fluorescence evidence of Annexin A6 translocation across membrane in model matrix vesicles during apatite formation" *J. of Extracellular Bio.* **2022**, *1*:e32
- Claire Delehouzé, Arnaud Comte, Marcelle Hauteville, Peter Goekjian, Marie-Thérèse Dimanche-Boitrel, Morgane Rousselot, and Stéphane Bach. Nigratine as first-in-class dual inhibitor of necroptosis and ferroptosis regulated cell death. *Scientific Reports* **2022**, *12*, 5118, 10 pages.
- Idris Habibu Mahmud and Peter G. Goekjian. Applications of fluorour tag methodology in carbohydrate synthesis. *Carbohydr. Chem.* **2021**, *45*, 1–56.
- Jimmy Faivre, Amos I. Pigweh, Julien Iehl, Pauline Maffert, Peter Goekjian, François Bourdon. Crosslinking hyaluronic acid soft-tissue fillers: current status and perspectives from an industrial point of view. *Expert Review of Medical Devices* **2021**, *18*(12), 1175-1187.
- Raison, Bastien; Dussart, Nicolas; Levy, Laura; Goekjian, Peter G.; Gueyrard, David. Synthesis of Substituted Indolizidines and Quinolizidines by Regioselective Intramolecular Modified Julia Olefination of Imides. *Journal of Organic Chemistry* **2020**, *85*(2), 864-875.
- Granjon T., Vigneron A., Gueyrard D., Marcillat O., Goekjian P., Maniti O., Cheniour M., Ibanez S. Fluorescent probe and applications thereof. Patent application EP19306175.1. September 24 **2019**, PCT application September 22 **2020**
- Yaya Soro, Mabintou Kalo, Mahama Ouattara, Ponchang Apollon Wuyep, Satkat Zacccheaus Longchi and Peter G. Goekjian Synthèse et activités antifongiques in vitro de nouveaux N-alkylbenzimidazolylidimercaptoacrylonitriles." *J. Soc. Ouest-Afr. Chim.* **2019**, *48*, 49- 61
- Amparo Garcia-Lopez, Francesca Tessaro, Hendrik R.A. Jonker, Anna Wacker, Christian Richter, Arnaud Comte, Nikolaos Berntenis, Roland Schmucki, Klas Hatje, Olivier Petermann, Gianpaolo Chiriano, Remo Perozzo, Daniel Sciarra, Piotr Konieczny, Ignacio Faustino, Guy Fournet, Modesto Orozco, Ruben Artero, Friedrich Metzger, Martin Ebeling, Peter Goekjian, Benoît Joseph, Harald Schwalbe, Leonardo Scapozza, "Targeting RNA structure in SMN2 reverses spinal muscular atrophy molecular phenotypes." *Nature Communications* **2018**, *9*(1), Article number: 2032 (12p).
- Peter Goekjian, Arnaud Haudrechy, Boudjema Menhour, and Claire Coiffier. *C-Furanosides: Synthesis and Stereochemistry*, 1st Edition, 794 pages; ISBN: 9780128037393, Academic Press: Amsterdam, **2018**.
- Peter Goekjian and Sebastien Vidal, "Protecting groups for the secondary positions of carbohydrates" Chapter 2 in *Protecting Groups: Strategies and Applications in Carbohydrate Chemistry*, Sebastien Vidal, Ed. ISBN: 978-3-527-34010-1. Wiley-VCH: Weinheim (**2018**)
- Sebastien Vidal and Peter Goekjian, "Strategies for the regioselective protection of secondary positions of carbohydrates" Chapter 3 in *Protecting Groups: Strategies and Applications in Carbohydrate Chemistry*, Sebastien Vidal, Ed. ISBN: 978-3-527-34010-1. Wiley-VCH: Weinheim (**2018**)
- Claire Delehouzé, Sabrina Leverrier-Penna, Fabienne Le Cann, Arnaud Comte, Maïté Jacquard-Fevai, Olivier Delalande, Nathalie Desban, Blandine Baratte, Isabelle Gallais, Florence Faurez, Marion Bonnet, Marcelle Hauteville, Peter G. Goekjian, Raphael Thuillier, Frédéric Favreau, Peter Vandenabeele, Thierry Hauet, Marie-Thérèse Dimanche-Boitrel, and Stéphane Bach, "6E11, a highly selective inhibitor of Receptor-Interacting Protein Kinase 1, protects cells against cold hypoxia-reoxygenation injury." *Scientific Reports* **2017**, *7*(1), Article number: 12931 (12p)
- Fabienne Le Cann, Claire Delehouzé, Sabrina Leverrier-Penna, Aveline Filliol, Arnaud Comte, Olivier Delalande, Nathalie Desban, Blandine Baratte, Isabelle Gallais, Claire Piquet-Pellorce, Florence Faurez, Marion Bonnet, Yvette Mettey, Peter Goekjian, Michel Samson, Peter Vandenabeele, Stéphane Bach and Marie-Thérèse Dimanche-Boitrel. "Sibiriline, a new small chemical inhibitor of receptor-interacting protein kinase 1, prevents immune-dependent hepatitis." *FEBS J.* **2017**, *284*(18), 3050-3068.
- Luca Mologni, Carlo Gambacorti-Passerini, Peter Goekjian, Leonardo Scapozza: "RET kinase inhibitors: a review of recent patents (2012-2015)" *Expert Opinion on Therapeutic Patents* **2017**, *27*(1), 91-99.
- Dimanche-Boitrel, Marie-Therese; Bach, Stephane; Delehouze, Claire; Mettey, Yvette; Goekjian, Peter; Comte, Arnaud. Preparation of sibiriline derivatives for use for preventing and/or treating disorders associated with cellular necroptosis. Patent Number WO2017064217. Publication Date 2017-04-20.
- Dimanche-Boitrel, Marie-Therese; Bach, Stephane; Delehouze, Claire; Goekjian, Peter; Comte, Arnaud. Preparation of pyrrolo[2,3-b]pyridine derivatives and their use as inhibitor of cellular necroptosis. Patent Number WO2017064216. Publication Date 2017-04-20.
- H. V. Trinh, L. Perrin, P. G. Goekjian, and D. Gueyrard. "Development of a Modified Julia Olefination of Imides for the Synthesis of Alkaloids" *Eur. J. Org. Chem.* **2016**, 2944–2953.
- M. Cheniour, D. Gueyrard, P. G. Goekjian, T. Granjon, O. Marcillat: A convenient and versatile synthesis of Laurdan-like fluorescent membrane probes: characterization of their fluorescence properties, *RSC Adv.* **2016**, *5*, 5547-5557.
- N. Gigant, S. Habib, M. Medoc, P. G. Goekjian, D. Gueyrard, I. Gillaizeau: Synthesis of exo-enamides from protected lactams using a modified Julia olefination reaction: application to the synthesis of spiroaminal fragments, *Eur. J. Org. Chem.* **2014**, 6501-6506.

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