



Thomas ROBERT (44 ans)

- Responsable technique de la plateforme KISSf
- Ingénieur d'Etudes CNRS

PROFIL

La plateforme dédiée à la découverte et au profilage *in vitro* d'inhibiteurs de kinases me permet de combiner une expérience managériale au sein de la recherche publique et une expertise technique dans le domaine de la biochimie des protéines et en culture cellulaire. Cette expérience acquise au cours de 22 ans de carrière m'a permis de contribuer à 41 publications scientifiques dont deux en tant que 1^{er} auteur sur le projet CDK10/CycM

CONTACT

- ☎ 06 17 91 06 05
- ✉ thomas.robert@sb-roscoff.fr
- 🌐 @thomas-robert-2073997b

FORMATIONS DIPLOMANTES

DEST Génie Biologique (niv6)
2006 - CNAM Paris

BTS Biotechnologie (niv5)
1999 - Lycée La Martinière Duchère Lyon

BAC STL Biochimie Génie Biologique (niv4)
1996 - Lycée Jean Moulin Angers

CENTRES D'INTÉRÊT

- Hockey Subaquatique (compétition)
- Natation course (perfectionnement)
- Course à pied (loisir)
- Natation artistique (encadrement)
- Titulaire du BNSSA (2021)

EXPÉRIENCE PROFESSIONNELLE

Responsable technique de plateforme en criblage moléculaire KISSf

UMR8227, FR2424, USR3151 – CNRS / Station Biologique Roscoff (2012 – 2022+ / 10 ans)

Tâches :

- Pilotage de la plateforme
- Gestion et réalisation des projets de prestations
- Conduite de projets de développement (Financement Ligue 2021)
- Animation/Communication (organisation Break4Tech 2021)
- Coordinateur de l'axe Exploration Fonctionnelle de Biogenouest.
- Implication sur projet CDK10/CycM (2 publications en 1^{er} auteur)

Responsable technique de plateforme en génomique

IFR54 – CNRS / Institut Gustave Roussy Villejuif (2009 – 2012 / 3 ans)

Tâches :

- Gestion de la production des données génomiques
- Coordination et formation de l'équipe (composée de 5 membres).
- Organisation de l'appelle d'offre Taxe apprentissage 200k€/ans

Technicien sur la plateforme en génomique

IFR54 – CNRS / Institut Gustave Roussy Villejuif (2002 – 2009 / 7 ans)

Tâches :

- Développement des techniques de réalisation de projets puces ADN Agilent (type GE, CGH, miRNA)
- Utilisation des outils de PCR quantitative (technique et analyse)
- Utilisation d'outils bioinformatiques (Rosetta Resolver, Ingenuity, DAVID, BLAST)
- Préparation des ARN et ADN de tumeurs et biopsies

Technicien en expérimentation animale

CDTA – CNRS / Orléans (2001-2002 / 18 mois)

Tâches :

- Conduite de projets sur modèle murin associé à diverses pathologies Infectieuses (Tuberculose, Prion) et inflammatoire (Asthme)
- Travail en laboratoire de confinement P2 et P3
- Habilitation à expérimenter de niveau II (Acquis)

Opérateur de production Pharmaceutique

Laboratoire Servier Industrie / Gidy (2000 -2001 / 6 mois)

Agent de laboratoire en bactériologie

Laboratoire Servier Industrie / Orléans (2000 / 1 mois)

STAGES

Formation de technicien en histologie

Laboratoire d'Anatomie et Cytologie Pathologique, CHRO Orléans (1999 / 6 sem)

Formation de technicien de recherche

Centre de Biophysique Moléculaire Orléans (1998 / 6 sem)

Sujet: Etude fondamentale en radiobiologie

Travail de technicien en biologie végétale

A.FO.CEL (Association Forêt Cellulose) Brain sur l'Authion (1997 / 7 sem)

Sujet: Etude de la tolérance d'un parasite sur le peuplier

TRAVAUX SOUMIS POUR PUBLICATION ET PARTICIPATION EN TANT QUE CO-AUTEUR

2021

Pieterse L, Beteck RM, Baratte B, Jesumoroti OJ, **Robert T**, Ruchaud S, Bach S, Legoabe LJ. Synthesis and biological evaluation of selected 7H-pyrrolo[2,3-d]pyrimidine derivatives as novel CDK9/CyclinT and Haspin inhibitors. *Chem Biol Interact.* 2021 Nov 1;349:109643. doi: 10.1016/j.cbi.2021.109643.

Choudhary BS, Sukanya, Mehta P, Bach S, Ruchaud S, **Robert T**, Josselin B, Filipek S, Malik R. Discovery of thiazolidin-4-one analogue as selective GSK-3 β inhibitor through structure based virtual screening. *Bioorg Med Chem Lett.* 2021 Nov 15;52:128375. doi: 10.1016/j.bmcl.2021.128375.

Ahmadu AA, Delehouzé C, Haruna A, Mustapha L, Lawal BA, Udobre A, Baratte B, Triscornia C, Autret A, **Robert T**, Bulinski JC, Rousselot M, Simoes Eugénio M, Dimanche-Boitrel MT, Petzer JP, Legoabe LJ, Bach S. Betulin, a Newly Characterized Compound in *Acacia auriculiformis* Bark, Is a Multi-Target Protein Kinase Inhibitor. *Chem Biol Interact.* 2021 Nov 1;349:109643. doi: 10.1016/j.cbi.2021.109643

Dao VH, Ourliac-Garnier I, Logé C, McCarthy FO, Bach S, da Silva TG, Denevault-Sabourin C, Thiéfaine J, Baratte B, **Robert T**, Gouilleux F, Brachet-Botineau M, Bazin MA, Marchand P. Dibenzofuran Derivatives Inspired from Cercosporamide as Dual Inhibitors of Pim and CLK1 Kinases. *Molecules.* 2021 Oct 30;26(21):6572. doi: 10.3390/molecules26216572.

Qhobosheane MA, Beteck RM, Baratte B, **Robert T**, Ruchaud S, Bach S, Legoabe LJ. Exploration of 7-azaindole-coumaranone hybrids and their analogues as protein kinase inhibitors. *Chem Biol Interact.* 2021 Jul 1;343:109478. doi: 10.1016/j.cbi.2021.109478. Epub 2021 Apr 25.

Robert T, Dock-Bregeon AC, Colas P. Functional characterization of CDK10 and Cyclin M truncated variants causing severe developmental disorders Human Mutation : Manuscript submitted - humu-2021-0054

Oyallon B, Brachet-Botineau M, Logé C, **Robert T**, Bach S, Ibrahim S, Raoul W, Croix C, Berthelot P, Guillon J, Pinaud N, Gouilleux F, Viaud-Massuard MC, Denevault-Sabourin C. New Quinoxaline Derivatives as Dual Pim-1/2 Kinase Inhibitors: Design, Synthesis and Biological Evaluation. *Molecules.* 2021 Feb 6;26(4):867. doi: 10.3390/molecules26040867.

Princival I, Princival J, da Silva E, Lima S, Carregos J, de Lucena A, Halwass F, Franc J, Ferreir L, Hernandez M, Saraiv K, Peixoto K, Baratte B, **Robert T**, Bach S, Gomes D, Paiva D, Marchand P, Rodrigues M and da Silva T. *Streptomyces hygrosopicus* UFPEDA 3370: a valuable source of the potent cytotoxic agent nigericin and its evaluation against human colorectal cancer cells. *Chemico-Biological Interactions.* 5 janvier 2021; 333: 109316. doi: 10.1016 / j.cbi.2020.109316

Bazin A, Cojean S, Pagniez F, Bernadat G, Cavé C, Ourliac-Garnier I, Nourrisson M-R, Morgado C, Picot C, Leclercq O, Baratte B, **Robert T**, Späth GF, Rachidi N, Bach S, Loiseau PM, Le Pape P and Marchand P. In vitro identification of imidazo[1,2-a]pyrazine-based antileishmanial agents and evaluation of L. major casein kinase 1 inhibition. *European Journal of Medicinal Chemistry.* 15 janvier 2021; 210: 112956. doi: 10.1016 / j.ejmech.2020.112956

2020

Robert T, Johnson JL, Guichaoua R, Yaron TM, Bach S, Cantley LC, Colas P. Development of a CDK10/CycM in vitro Kinase Screening Assay and Identification of First Small-Molecule Inhibitors. *Front. Chem.*, 27 February 2020 | <https://doi.org/10.3389/fchem.2020.00147>.

Ibrahim N, Bonnet P, Brion JD, Peyrat JF, Bignon J, Levaique H, Josselin B, **Robert T**, Colas P, Bach S, Messaoudi S, Alami M, Hamze A. Identification of a new series of flavopiridol-like structures as kinase inhibitors with high cytotoxic potency. *Eur J Med Chem.* 199:112355. doi: 10.1016/j.ejmech.2020.112355.

Wilde M, Arzur D, Baratte B, Lefebvre D, **Robert T**, Roisnel T, Le Jossic-Corcoc C, Bach S, Corcos L and Erb W. Regorafenib analogues and their ferrocenic counterparts: synthesis and biological evaluation. The article was first published on 10 Nov 2020. *New J. Chem.* 10 Nov 2020, <https://doi.org/10.1039/D0NJ05334A>.

2019

Lassagne F, Duguépérroux C, Roca C, Perez C, Martinez A, Baratte B, **Robert T**, Ruchaud S, Bach S, Erb W, Roisnel T, Mongin F. From simple quinoxalines to potent oxazolo[5,4-f]quinoxaline inhibitors of glycogen-synthase kinase 3 (GSK3). *Org Biomol Chem.* 2019 Dec 18;18(1):154-162. doi: 10.1039/c9ob02002k

2018

Oyallon B, Brachet-Botineau M, Logé C, Bonnet P, Souab M, **Robert T**, Ruchaud S, Bach S, Berthelot P, Gouilleux F, Viaud-Massuard MC, Denevault-Sabourin C. Structure-based design of novel quinoxaline-2-carboxylic acids and analogues as Pim-1 inhibitors. *Eur J Med Chem.* 2018 Jun 25;154:101-109. doi: 10.1016/j.ejmech.2018.04.056.

Winfield HJ, Cahill MM, O'Shea KD, Pierce LT, **Robert T**, Ruchaud S, Bach S, Marchand P, McCarthy FO. Synthesis and anticancer activity of novel bisindolylhydroxymaleimide derivatives with potent GSK-3 kinase inhibition. *Bioorg Med Chem.* 2018 Aug 7;26(14):4209-4224. doi: 10.1016/j.bmc.2018.07.012

2017

Sklepari M, Lougiakis N, Papastathopoulos A, Pouli N, P Marakos, Myrianthopoulos V, **Robert T**, S Bach, Mikros E, Ruchaud S. Synthesis, Docking Study and Kinase Inhibitory Activity of a Number of New Substituted Pyrazolo[3,4-c]pyridines. *Chem Pharm Bull (Tokyo).* 2017;65(1):66-81. doi: 10.1248/cpb.c16-00704

2016

Lawson M, Rodrigo J, Baratte B, **Robert T**, Delehouzé C, Lozach O, Ruchaud S, Bach S, Brion JD, Alami M, Hamze A. Synthesis, biological evaluation and molecular modeling studies of imidazo[1,2-a]pyridines derivatives as protein kinase inhibitors. *Eur J Med Chem.* 2016 Nov 10;123:105-114. doi: 10.1016/j.ejmech.2016.07.040

2015

Hamdi A, Lesnard A, Suzanne P, **Robert T**, Miteva MA, Pellerano M, Didier B, Ficko-Blean E, Lobstein A, Hibert M, Rault S, Morris MC, Colas P ; Tampering with cell division by using small-molecule inhibitors of CDK-CKS protein interactions. *ChemBiochem.* 2015 Feb 9

2014

Dmitriev P, Kairov U, **Robert T**, Barat A, Lazar V, Carnac G, Laoudj-Chenivresse D, Vassetzky YS. Cancer-related genes in the transcription signature of facioscapulohumeral dystrophy myoblasts and myotubes. *J Cell Mol Med*. 2014 Feb;18(2):208-17

Lazar V, Lassau N, Meurice G, Lorient Y, Peña C, Massard C, Robert C, **Robert T**, Le Berre MA, de Baere T, Dessen P, Soria JC, Armand JP ; Sorafenib plus dacarbazine in solid tumors: a phase I study with dynamic contrast-enhanced ultrasonography and genomic analysis of sequential tumor biopsy samples. *Invest New Drugs*. 2014 Apr;32(2):312-22

2013

Dmitriev P, Barat A, Poleskaya A, O'Connell MJ, **Robert T**, Dessen P, Walsh TA, Lazar V, Turki A, Carnac G, Laoudj-Chenivresse D, Lipinski M, Vassetzky YS; Simultaneous miRNA and mRNA transcriptome profiling of human myoblasts reveals a novel set of myogenic differentiation associated miRNAs and their target genes. *BMC Genomics*. 2013 Apr 18;14:265

Pirozhkova I, Barat A, Dmitriev P, Kim E, **Robert T**, Guégan J, Bilhou-Nabera C, Busato F, Tost J, Carnac G, Laoudj-Chenivresse D, Lipinski M, Vassetzky Y; Differences in transcription patterns between induced pluripotent stem cells produced from the same germ layer are erased upon differentiation. *PLoS One*. 2013;8(1):e53033.

2012

Galluzzi L, Vitale I, Senovilla L, Eisenberg T, Carmona-Gutierrez D, Vacchelli E, **Robert T**, Ripoche H, Jägemann N, Paccard C, Servant N, Hupé P, Lazar V, Dessen P, Barillot E, Zischka H, Madeo F, Kroemer G; Independent transcriptional reprogramming and apoptosis induction by cisplatin. *Cell Cycle*. 2012 Sep 15;11(18):3472-80.

Galluzzi L, Vitale I, Senovilla L, Olaussen KA, Pinna G, Eisenberg T, Goubar A, Martins I, Michels J, Kratassiouk G, Carmona-Gutierrez D, Scoazec M, Vacchelli E, Schlemmer F, Kepp O, Shen S, Tailler M, Niso-Santano M, Morselli E, Criollo A, Adjemian S, Jemaà M, Chaba K, Paillet C, Michaud M, Pietrocola F, Tajeddine N, de La Motte Rouge T, Araujo N, Morozova N, **Robert T**, Ripoche H, Commo F, Besse B, Validire P, Fouret P, Robin A, Dorvault N, Girard P, Gouy S, Pautier P, Jägemann N, Nickel AC, Marsili S, Paccard C, Servant N, Hupé P, Behrens C, Behnam-Motlagh P, Kohno K, Cremer I, Damotte D, Alifano M, Midttun O, Ueland PM, Lazar V, Dessen P, Zischka H, Chatelut E, Castedo M, Madeo F, Barillot E, Thomale J, Wistuba II, Sautès-Fridman C, Zitvogel L, Soria JC, Harel-Bellan A, Kroemer G. Prognostic impact of vitamin B6 metabolism in lung cancer. *Cell Rep*. 2012 Aug 30;2(2):257-69.

2011

Dmitriev P, Petrov A, Anseau E, Stankevics L, Charron S, Kim E, Bos TJ, **Robert T**, Turki A, Coppée F, Belayew A, Lazar V, Carnac G, Laoudj D, Lipinski M, Vassetzky YS. The Krüppel-like factor 15 as a molecular link between myogenic factors and a chromosome 4q transcriptional enhancer implicated in facioscapulohumeral dystrophy. *J Biol Chem*. 2011 Dec 30;286(52):44620-31

Bluteau D, Gilles L, Hilpert M, Antony-Debré I, James C, Debili N, Camara-Clayette V, Wagner-Ballon O, Cordette-Lagarde V, **Robert T**, Ripoche H, Gonin P, Swierczek S, Prchal J, Vainchenker W, Favier R, Raslova H ; Down-regulation of the RUNX1-target gene NR4A3 contributes to hematopoiesis deregulation in familial platelet disorder/acute myelogenous leukemia (FPD/AML). *Blood*. 2011 Dec 8;118(24):6310-20

Broutin S, Ameur N, Lacroix L, **Robert T**, Petit B, Oumata N, Talbot M, Caillou B, Schlumberger M, Dupuy C, Bidart JM; Identification of soluble candidate biomarkers of therapeutic response to sunitinib in medullary thyroid carcinoma in preclinical models. *Clin Cancer Res.* 2011 Apr 1;17(7):2044-54

2010

Klimchenko O, Di Stefano A, Georger B, Hamidi S, Opolon P, **Robert T**, Routhier M, El-Benna J, Delezoide AL, Boukour S, Lescure B, Solary E, Vainchenker W, Norol F; Monocytic cells derived from human embryonic stem cells and fetal liver share common differentiation pathways and homeostatic functions. *Blood.* 2010 Dec 13.

Galluzzi L, Morselli E, Vitale I, Kepp O, Senovilla L, Criollo A, Servant N, Paccard C, Hupé P, **Robert T**, Ripoche H, Lazar V, Harel-Bellan A, Dessen P, Barillot E, Kroemer G; miR-181a and miR-630 regulate cisplatin-induced cancer cell death. *Cancer Res.* 2010 Mar 1;70(5):1793-803

2009

Toujani S, Dessen P, Ithzar N, Danglot G, Richon C, Vassetzky Y, **Robert T**, Lazar V, Bosq J, Da Costa L, Pérot C, Ribrag V, Patte C, Wiels J, Bernheim A.; High resolution genome-wide analysis of chromosomal alterations in Burkitt's lymphoma; *PLoS One.* 2009 Sep 17;4(9):e7089.

Gilles L, Bluteau D, Boukour S, Chang Y, Zhang Y, **Robert T**, Dessen P, Debili N, Bernard OA, Vainchenker W, Raslova H; MAL/SRF complex is involved in platelet formation and megakaryocyte migration by regulating MYL9 (MLC2) and MMP9; *Blood.* 2009 Nov 5;114(19):4221-32.

Franciszkiwicz K, Le Floc'h A, Jalil A, Vigant F, **Robert T**, Vergnon I, Mackiewicz A, Benihoud K, Validire P, Chouaib S, Combadière C, Mami-Chouaib F; Intratumoral induction of CD103 triggers tumor-specific CTL function and CCR5-dependent T-cell retention; *Cancer Res.* 2009 Aug 1;69(15):6249-55.

Valin A, Barnay-Verdier S, **Robert T**, Ripoche H, Brellier F, Chevallier-Lagente O, Avril MF, Maginaldo T; PTCH1 +/- dermal fibroblasts isolated from healthy skin of Gorlin syndrome patients exhibit features of carcinoma associated fibroblasts; *PLoS ONE.* 2009;4(3):e4818.

2008

Bénard J, Raguénez G, Kauffmann A, Valent A, Ripoche H, Joulin V, Job B, Danglot G, Cantais S, **Robert T**, Terrier-Lacombe MJ, Chassevent A, Koscielny S, Fischer M, Berthold F, Lipinski M, Tursz T, Dessen P, Lazar V, Valteau-Couanet D; MYCN-non-amplified metastatic neuroblastoma with good prognosis and spontaneous regression: A molecular portrait of stage 4S; *Molecular Oncology* 2 (2008) 261–271

Bernheim A, Toujani S, Saulnier P, **Robert T**, Casiraghi O, Validire P, Temam S, Menard P, Dessen P, Fouret P; High-resolution array comparative genomic hybridization analysis of human bronchial and salivary adenoid cystic carcinoma; *Lab Invest.* 2008 Mar 10.

2007

de La Motte Rouge T, Galluzzi L, Olaussen KA, Zermati Y, Tasdemir E, **Robert T**, Ripoche H, Lazar V, Dessen P, Harper F, Pierron G, Pinna G, Araujo N, Harel-Bellan A, Armand JP, Wong TW, Soria JC, Kroemer G; A novel epidermal growth factor receptor inhibitor promotes apoptosis in non-small cell lung cancer cells resistant to erlotinib; *Cancer Res.* 2007 Jul 1;67(13):6253-62.

Raslova H, Kauffmann A, Sekkaï D, Ripoche H, Larbret F, **Robert T**, Le Roux DT, Kroemer G, Debili N, Dessen P, Lazar V, Vainchenker W; Interrelation between polyploidization and megakaryocyte differentiation: a gene profiling approach; *Blood.* 2007 Apr 15;109(8):3225-34

2006

Winnepenninckx V, Lazar V, Michiels S, Dessen P, Stas M, Alonso SR, Avril MF, Ortiz Romero PL, **Robert T**, Balacescu O, Eggermont AM, Lenoir G, Sarasin A, Tursz T, van den Oord JJ, Spatz A; Gene expression profiling of primary cutaneous melanoma and clinical outcome; J Natl Cancer Inst. 2006 Apr 5;98(7):472-82.

2005

Noulin N, Quesniaux VF, Schnyder-Candrian S, Schnyder B, Maillet I, **Robert T**, Vargaftig BB, Ryffel B, Couillin I; Both hemopoietic and resident cells are required for MyD88-dependent pulmonary inflammatory response to inhaled endotoxin; J Immunol. 2005 Nov 15;175(10):6861-9."

TRAVAUX SOUMIS POUR PUBLICATION ET PARTICIPATION EN TANT QUE COLLABORATEUR

2006

Hamaï A, Richon C, Meslin F, Faure F, Kauffmann A, Lecluse Y, Jalil A, Larue L, Avril MF, Chouaib S, Mehrpour M; Imatinib enhances human melanoma cell susceptibility to TRAIL-induced cell death: Relationship to Bcl-2 family and caspase activation; Oncogene; 2006 Dec 7;25(58):7618-34. (remerciement).

2004

Weston-Davies W, Couillin I, Schnyder S, Schnyder B, Moser R, Lissina O, Paesen GC, Nuttall P, Ryffel B; Arthropod-derived histamine-binding protein prevents murine allergic asthma; J Immunol. 2004 Sep 1;173(5):3281-6. (remerciement)

MEDIATION SCIENTIFIQUE/COMMUNICATION

2021

Journée Break4tech/ Rencontre immersion "thème "Mer & Santé" à Roscoff"
Découverte et profilage d'inhibiteurs de protéines kinases à visée thérapeutique par **Thomas ROBERT**.

2020

Gentobio.

Mesure d'interaction entre ligands et cibles kinases par thermophorèse (MST, Microscale Thermophoresis) par **Thomas ROBERT** et Dorian LEFEBVRE, plate-forme KISSf.

2017

Gene2bio

Standardisation de la production et de la purification de protéines recombinantes : une étape importante en criblage in vitro par **Thomas ROBERT** et Mohamed SOUAB, Plate-forme KISSf.