

CURRICULUM VITAE

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Date of birth March 12, 1955
Nationality Swiss
Civil status Married, 2 children
Private address Ch. de la Verrière 11, 1094 Paudex

Education, academic degrees and occupied functions

1978 Diploma in biology, Fribourg University
1979-1980 Research Assistant
Prof. N. Odartchenko, Swiss Institute for Experimental Cancer
Research, Epalinges
1980-1983 PhD
Prof. H. Diggelmann, Swiss Institute for Experimental Cancer
Research, Epalinges
1983-1984 Post doctoral Fellow
(*Fellowship of the Swiss National Science Foundation*)
Prof. R. Wall, Molecular Biology Institute, UCLA, Los Angeles, USA
1984-1985 Research Associate
Prof. R. Wall, Molecular Biology Institute, UCLA, Los Angeles, USA
1986-1987 Postdoctoral Fellow
Prof. C. Bron, Department of Biochemistry, Lausanne University
1988-1994 Assistant Professor
Department of Biochemistry, Lausanne University
1994 Privat Docent, Lausanne University
1994-1999 Associate Professor (50%)
Department of Biochemistry, Lausanne University
Independent research position (50%)
(Foundation Prof. Dr. Max Cloëtta)
1999 - 2009 Associate Professor
Department of Biochemistry, Lausanne University
2009 - Present Full Professor, Department of Biochemistry
2003-2006 Co-Director of the Department of Biochemistry
2006-Present Director of the Department of Biochemistry

Honors

1994-1999 Independent research position
Foundation Prof. Dr. Max Cloëtta

Academic Activity

1998-2004 Member of the Faculty of Biology and Medicine Council
2005-2007 Member of the University Council
2005-2008 Member of the Faculty of Biology and Medicine Council
2007-2009 President of the Section of Fundamental Sciences of the Faculty of
Biology and Medicine

Technology Transfer

1992-2005	Founding member of RMF Dictagene
2002-2005	Member of the Board of Directors (2002-2005)
1998	Founding member of Sovarec SA (1998-2003)
2007-Present	Founding member of Belskin SA (2007). Scientific Consultant

RESEARCH

Funding

- Principal investigator FNS, grant No 31-36343.92 (1992-1995; CHF 180'000). Title: "Post-translational modifications of cell surface antigens".
- Principal investigator Swiss Cancer League (1992-1994; CHF 100'000).
- Principal investigator FNS, grant No 31-47342.96 (1996-1999; CHF 184'500). Title: "Structural and functional studies of protozoan proteins".
- Principal investigator Tropical Disease Research WHO, grant No TDR-ID 960106 (1996-1998; CHF 36'000). Title: "Protective capacity of SW3 recombinant protein and synthetic peptides against *Leishmania major*".
- Principal Investigator, KTI/CTI The Innovation Promotion Agency, grant No 3218.1 (1996-1999; CHF 721'186). Title: "Development of a new cell factory for recombinant proteins important in medicine".
- Principal investigator, KTI/CTI The Innovation Promotion Agency, grant No 4287.1 (1999-2002; CHF 921'203). Title: "Production of biologically active polypeptides and peptides useful in human and veterinary medicine".
- Principal investigator FNS grant No 31-59450.99 (1999-2002; CHF 165'000). Title: "Structural and functional studies of protozoan proteins".
- Principal investigator Research partnership with Developing Countries/FNS, grant No 3170-059520.99 (1999-2002; CHF 570'000). Tripartite collaboration with Colombia and Nicaragua. Title: "Identification of genetic markers associated with virulence of *Leishmania Viannia*".
- Principal investigator grant FNS, grant No 31003-103813 (2004-2007; CHF 188'135). Title: "Cell death in *Leishmania* parasites".
- Principal investigator, KTI/CTI The Innovation Promotion Agency grant No. 7065.2 LSPP_LS (2004-2007; CHF 684'000) Title: "Peptides blocking neurosecretion and muscle contraction".
- Fondation Recherche et Santé: Title: "Fighting leishmaniasis" (2001-2002)
- Wissenschaftliches Fond Ökologie KSSG (2006-2008; CHF 460'000): Title: "Vaccine development".
- Principal investigator FNS (2007-2010; CHF 260'000.-). Title: "Cell death in *Leishmania* parasites".
- Novartis Foundation (2008-2009; CHF 41'000). Title: "Biomarkers and cell death in *Leishmania* parasites".
- Dr Rub Foundation, UNIL (2008; EUR 12'772)
- Principal Investigator Grant COST Action BM0802: "Life or death of protozoan parasites". (2009-2012; CHF 169'592). Title: "Cysteine Proteinases and Cell Death cascade in *Leishmania* parasites".
- Co-Investigator Grant COST Action CM0801: "New Drugs for Neglected Diseases". (PI: Prof. Andreas Mayer) (2009-2012; CHF 169'592). Title: "Polyphosphate synthase as a drug target".
- Co-Investigator ProDoc FNS, grant No PDFMP3_132685 (2010-2013; CHF 200'000). Title: "Rôle des protéases dans la réponse immunitaire et la tumorigénèse".
- Swiss Partner, Research partnerships with Developing Countries/FNS, grant No IZ70Z0_131421 (2010-2013; CHF 450'000). Title: "Role of human infection in domestic transmission of dermal leishmaniasis and drug resistance".
- Co-Investigator Projet Interdisciplinaire de la FBM (2010-2012; CHF 130'555). Title: "Comparative genomics and functional analysis of 2 *Leishmania* clones to identify genes involved in oxygen stress resistance".
- Co-Investigator MRC/CGR Small Research Projects Initiative (2010). Title: "Genome variation in *Leishmania* species that cause mucocutaneous disease".
- Principal investigator, Fondation Emma Muschamp, Société Académique Vaudoise (2010; CHF 30'000). Title: Rôle des protéases dans la réponse immunitaire et la tumorigénèse".
- Principal investigator grant FNS, grant No 310030_135616 (2011-2014; CHF 331'000). Title: "Impact of *Leishmania* dsRNA virus on mucocutaneous leishmaniasis".

- FNS International Exploratory Workshop, grant IZ32Z0_137340 (2011; CHF 13'000.-). Title: "Leishmania genomics".
- Principal investigator FNS, grant No 310030_153204 (2014-2017; CHF 600'000). Title: "Impact of Leishmania dsRNA virus on metastatic leishmaniases".
- Fondation Mercier, S. Masina (2008-2009)
- Bill & Melinda Gates Foundation, C. Ronet (2012-2013)
- Fondation Mercier, C. Ronet (2012-2015)

International Programs

- COST Action BM0802 (2009-2012). Title: "Life or death of protozoan parasites". MC member. Representative of Switzerland.
- COST Action CM0801 (2009-2012). Title: "New Drugs for Neglected Diseases". MC member. Representative of Switzerland.
- Research partnerships with Developing Countries/FNS, grant No IZ70Z0_131421 (2010-2013). Title: "Role of human infection in domestic transmission of dermal leishmaniasis and drug resistance". Swiss Partner.
- MRC/CGR Small Research Projects Initiative (2010-2012). Title: "Genome variation in *Leishmania* species that cause mucocutaneous disease". Co-Investigator.
- COST Action CM1307 (2014-2017). MC member representing Switzerland. Title: "Life or death of protozoan parasites". MC member. Representative of Switzerland. Title: "Antiparasitic chemotherapy: targeting endoparasites to fight neglected parasitic diseases".

Other Funding Received

- Prof. Dr Max Clöetta Foundation (1994-1999). Independent research position, 50% Associate Professorship
- Roche Research Foundation (1996). "Molecular determinants associated with virulence in *Leishmania Viannia* subgenus"
- Sandoz Foundation (1995). "Karyotyping of *Leishmania* major differentially regulated genes and their diagnostic relevance"
- The 12th Swiss Trypanosomatid Meeting, Charmey, sponsored by FNS grant 31-41853.94 and Ciba Geigy/Novartis (February 1995)
- The 13th Swiss Trypanosomatid Meeting, Charmey, sponsored by FNS grant 31-44554.95 and Ciba Geigy/Novartis (February 1996)
- The 20th Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (February 2003)
- The 21st Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (January 2004)
- The 31st Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (January 2014)

External funding for collaborators

- Zyma Foundation: sabbatical visit, Prof. Socrates Herrera (1995)
- Stanley Johnson Foundation, Raymond Jaquet, Diploma student (1993-1994)
- CnPQ, Sergio Mendonça, sabbatical visitor Brazil (CHF 20'000.-)
- Association Vaudoise des Femmes diplômées des Universités, Séverine Monnerat (1999)
- Fondation Mercier, Slavica Masina (2008-2009)
- Bill & Melinda Gates Foundation, Grand Challenge Exploratory Grants, C. Ronet (2012-2013)
- Fondation Mercier, C. Ronet (2012-2015)

Scientific Committees

- Member of the External Panel Review of the Swiss Tropical Institute Basel (1995-2009)
- Member of the Advisory Board for functional genomics of *Leishmania* (*Leishmania* genome network)
- External Expert: Evaluation of the Parasitology Unit, INSERM, Montpellier, France (June 2002)
- External Expert: Evaluation of the Behar-Cohen Unit, INSERM, Paris, France (June 2003)

Invited seminars or communications in meetings (selection)

- Institut für Allgemeine Parasitologie Bern, Switzerland (January 1995)
- Hoffman-La Roche, Department PRPG, Basel,, Switzerland (March 1995)
- 12th Swiss Trypanosomatid Meeting Charmey, Switzerland (February 1995)
- Unité de chirurgie expérimentale, CHUV, Lausanne, Switzerland (October 1995)
- 13th Swiss Trypanosomatid Meeting, Charmey, Switzerland (January 1996)
- Swiss Parasitology Meeting, Bern, Switzerland (March 1996)
- Molecular and Cellular Parasitology VIIth , Woods Hole, USA (September 1996)
- World Leishmaniasis Meeting, Istanbul, Turkey (May 1997)
- Genzentrum, Martinsried, Germany (July 1997)
- 14th Swiss Trypanosomatid Meeting, Les Diablerets, Switzerland (January 1997)
- Institut de zoologie, Neuchâtel, Switzerland (November 1998)
- USGEB, Lausanne, Switzerland (March 1998)
- Société Suisse d'allergologie et immunologie, St. Gall, Switzerland (April 1998)
- Amersham/Nycomed, Cardiff, UK (September 1998)
- Organogenesis, Boston, USA (September 1998)
- Pasteur Institute, Tehran, Iran (April 1999)
- Saenger Centre, Cambridge, UK (April 1999)
- Molecular and Cellular Parasitology Xth, Woods Hole, USA (September 1999)
- University of Glasgow, UK (September 2000)
- Molecular and Cellular Parasitology XIth, Woods Hole, USA (September 2000)
- Institut de Salud, Madrid, Spain (February 2001)
- World Leishmania meeting, Crete (May 2001)
- 2nd Generation of Leishmania vaccine, TDR/WHO meeting Mexico (May 2001)
- Novartis animal health (April 2002)
- Millenium (Boston) (June 2002)
- Molecular and Cellular Parasitology XIIth, Woods Hole, USA (September 2002)
- Applied Proteomics (Swiss Proteomic Society), Lausanne, (December 2002)
Opening lecture: Proteomics of *Leishmania* parasites to identify virulence factors
- TriTryp meeting, Saenger Centre, UK, (June 2003)
- Molecular and Cellular Parasitology XIIIth, Woods Hole, USA (September 2003)
- Intervet (Netherlands) (May 2004)
- Merial (Lyon, France) (July 2004)
- World Leishmania meeting, Sicily (2005)
- Cell death meeting, Cold Spring Harbor (September 2005)
- International Congress of Parasitology ICOPA XI, Glasgow (2006)
- British Society of Parasitology, Newcastle (2008)
- World Leishmania meeting, India (2009)
- McGill University, Invited speaker, Montreal (January 2010)
- British Society of Parasitology, Cardiff (April 2010) (Chairman of the session: Cell death and autophagy)
- Gordon Research Conference on "Tropical Infectious Disease: From Bench to Field" Invited speaker, Galveston, TX (March 2011)
- Kinetoplastid Molecular and Biology Cell Meeting, Woods Hole (April 2011)
- University of Tuebingen, Invited speaker, Tuebingen (May 2011)
- Biozentrum, Basel (May 2011)
- Infection and Immunity, Graduate School, Keynote speaker, Geneva (May 2011)
- Trypanosomatids 2011 meeting, Invited speaker, Paris (May 2011)
- COST action meeting, CM0801, Modena (October 2011)
- Indo-Swiss Symposium; Invited speaker, Dehli (November 2011)
- 22nd Challenge in Virology and SAFE-ID, Invited speaker, Saanen (January 2012)
- COST action meeting, BM0802, Milano (January 2012)
- XIV^{èmes} Journées Francophones de Virologie, Invited Speaker, Paris (March 2012)
- Department of Rheumatology, Invited speaker, University of Zurich (April, 2012)
- Gabba Lecture, Invited speaker, Porto, Portugal (May 2012)

- European Academy of Microbiology on “Co-infections 2012”, Invited speaker, Halle, Germany (June 2012)
- Gordon Research Conference on “Host-Pathogen interaction”, Invited speaker, Newport, USA (June 2012)
- COST action meeting, CM0801, Edinburgh (October 2012)
- ITM 54th Annual Colloquium, Pathogens’ survival strategy, Invited speaker, Antwerpen (December 2012)
- World Leishmania V meeting, Invited speaker, Brazil (April, 2013)
- American Society of Parasitology (Annual Meeting) and Quebec Molecular Parasitology, Keynote speaker, Quebec, Canada (26th-29th June 2013)
- European Society of Virology, Invited speaker, Lyon (September 2013)
- NIH/NIAID Twinbrook Seminar Series, Invited speaker, Rockville, USA (March 2014)
- Swiss Virology meeting, Thun, Switzerland (September 2014)

Prizes for Poster or Oral presentations

- H. Zangger, Swiss Tryp meeting, Les Diablerets (2001)
- S. Delacrétaz, World Leishmania meeting, Sicily (2005)
- I. Gonzalez, COST meeting, Dundee (2007)
- H. Zalila, Swiss Tryp meeting, Leysin (2008)
- C. Sprissler, Young investigator award, COST Action Lyon/Autrans (March 2009)
- A. Ives, Woods Hole Immunology of Parasites (April 2010)

Science and Society: Public Conferences

- Organization of the genetic engineering exhibit of the Epalinges Biomedical research center in the framework of the votation on the genetic engineering (1998)
- Public conferences on Genetic engineering, on Biotechnology, on the Human Genome and Technology transfer (Lausanne, Montreux, Aigle, Payerne, Neuchâtel, Fribourg, Romont, Yverdon) (1998-Present)
- Public debates on genetic engineering in several political groups (1998)
- Public intervention in the radio and in TV show (<http://www.rts.ch/video/decouverte/1511469-pr-nicolas-fasel-dir-dpt-biochimie-unil.html>)
- Article in Horizons/FNS by Fabio Bergani December 2012 (p.25)

Journal Editorial Board

- Academic Editor PLoS One: 2011-Present
- Academic Editor Microbial Cell: 2014 - Present

Reviewing activity

- PLoSOne, PLoS NTD, Molecular and Biochemical Parasitology, Journal of Virology, Journal of Immunology, Experimental Parasitology, etc...

Meeting organization

- The 12th Swiss Trypanosomatid Meeting, Charmey, sponsored by FNS (grant 31-41853.94) (February 1995)
- The 13th Swiss Trypanosomatid Meeting, Charmey, sponsored by FNS (grant 31-44554.95) (February 1996)
- USGEB meeting, Member of the organization committee, Lausanne (March 1998)
- The 20th Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (January-February 2003)
- The 21st Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (January 2004)
- Member of the organization committee of the Research Day of the Faculty of Biology and Medicine, Lausanne (2005)
- Organization of the minisymposium for the 50th Anniversary of the Department of Biochemistry (September 2008)
- Organization of the COST meeting Action BM0802, Lausanne (April 2010)
- International exploratory workshop FNS: *Leishmania* genomics, Lausanne (October 2011)
- The 31st Swiss Trypanosomatid Meeting, Leysin, sponsored by SKMB and Novartis Animal Health (January 2014)

TEACHING AND EDUCATION

Previous (for several years before implementation of the new curriculum)

- General Biochemistry course (MII) : Molecular biology (Medical students 1st and 2nd year)
- General Biochemistry course: (Pharmacy students 2nd year)
- Biochemistry course: Developmental biology (Biology students 4th year)
- Practicals (MIII): Practicals and Seminars (Medical students 2nd year)
- Problem based learning (blood and coagulation)
- Supervision of diploma theses and master theses

Present

- Medical and Biology students (1st year) Module 1.2: Biologie cellulaire (10h)
- Medical and Biology students (1st year) Module 1.3: Génétique (10h)
- Bachelor 6th semester: Signalling and interactions (8h)
- Master Program in Biomedicine: Cancer and Immunology (8h)
- Supervision of several doctoral theses, masters theses and rotation students from developing countries

PhD theses

Thesis Director

- Rôle régulateur des phosphatidylinositol glycolipides dans l'expression de certains antigènes de surfaces (N. Déglon, 1992)
- Isolation des gènes codant pour les enzymes impliquées dans la biosynthèse de l'ancre phosphoglycolipidique (C. Beghdadi-Rais, 1994)
- Identification and characterization of stage-regulated *Leishmania major* antigens (T. Noll, 1997)
- Linking Histone H1, Chromatin Condensation and Cell Death in the Human Protozoan Parasite *Leishmania* (H. Zangger, 2003)
- Genomic organisation, gene expression and antisense transcription in a chromosomal region of *Leishmania Major* (S. Monnerat, 2004)
- The use of proteomics to identify markers associated with metastasis in *Leishmania Viannia* Species: The role of trypanredoxin peroxidase (N. Acestor, 2005)
- *Leishmania major* metacaspase in programmed cell death (J. Gonzalez, 2007)
- Evaluation of macrophage host-cell response to infection with metastatic and non metastatic *L. guyanensis* parasites (A. Ives, 2008)
- Localisation et maturation de la métacaspase chez *Leishmania* (H. Zalila, 2012)

In progress:

- Polyphosphate synthase as a potential drug target (K. Kohl)
- Immune response to *L. guyanensis* infection (M.-A. Hartley)
- Role of proteases in the immune response and in tumorigenesis (R. Martin)
- The immune response in mucocutaneous leishmaniasis (P. Castiglioni)
- Signaling pathways in the immune response to *Leishmania* parasites (O. Eren)
- Early immune response in *L. Viannia* infections (M. Rossi)

Positions occupied by former graduate students

- Nicole Déglon, Associate Professor, UNIL
- Carole Beghdadi-Rais, chimiste, CHUV
- Tanja Noll, Business Development, Johnson and Johnson
- Séverine Monnerat, Postdoctoral Fellow, Seattle
- Nathalie Acestor, Postdoctoral Fellow, Seattle
- Iveth Gonzalez, Project Manager FIND, Geneva
- Annette Ives, Postdoctoral Fellow, CHUV, Lausanne
- Haroun Zangger, Postdoctoral Fellow, UNIL
- Habib Zalila, Voisin Consulting, Lausanne, Switzerland

Thesis with Co-Direction

- Fanconi Anemia and Genome Stability - The Role of FANCM (K. Gari, 2007) (Thesis Co- Director: A. Constantinou)
- Molecular mechanisms of MALT1 function (F. Rebeaud, 2008) (Thesis Co-Director: M. Thome)

Direction of Diploma theses and Master theses

- Etude du processing de l'antigène de surface Thy-1 (M. Benedict, 1987)
- Expression des antigènes Thy-1 et DAF dans les cellules de mammifères (M. Dupuis, 1988)
- Caractérisation de la structure et de la fonction de mini-RNAs isolés chez *Leishmania Major* (J.-Y. Deru, 1994)
- Etude des facteurs influençant l'expression du gène SW3 au cours du développement du promastigote de *Leishmania Major* en culture liquide (S. J.-C. Floyd, 1995)
- Définition et caractérisation des différents polypeptides codés par le segment switch 3 de *Leishmania Major* (R. Jacquet, 1995)
- Interaction entre les protéines 415 et 462 codées par le gène switch 3 de *Leishmania Major* (J.-D. Bessero, 1997)
- Etude fonctionnelle de la base modifiée dJ chez *Leishmania Major* (S. Monnerat, 1998)
- Evaluation d'un vaccin à AND basé sur des gènes exprimés au stade infectieux de *Leishmania* (D. Berthoud, 1998)
- Identification d'une histone H1 avec un domaine globulaire chez *Leishmania* (S. Monnerat, 1999)
- Etude de l'apoptose chez le macrophage infecté par *Leishmania Major* (P. Agostini, 2000)
- Expression des gènes dans le locus SW3 du chromosome 27 de *Leishmania Major* (B. Pesse, 2002)
- Evaluation of differential gene expression in macrophages infected with *L. guyanensis* parasites (S. Delacrétaz, 2005)
- Localization and processing of *L. major* metacaspase (H. Zalila, 2006)
- Etude de la surexpression et construction d'un knock-out du gène EndoG chez *Leishmania major* (J. Dubuis, 2007)
- Evaluation of host response to *L. guyanensis* infection (G. Ruzzante, Erasmus student from the University of Padova, 2008)
- Catalytic activity of caspase-like domains in *Leishmania* (J. Buergi, 2010)
- Polyphosphate synthase as a potential drug target (K. Kohl, 2010)
- Role of interferon beta in LRVpositive *Leishmania guyanensis* infection (M. Rossi, 2012)
- Host Cell response to *Leishmania* parasites infected by a double stranded RNA Virus (S. Noll 2013)
- A murine model of LRV-dependent leishmanial metastasis (D. Tolou, 2014)

External Expert for doctoral thesis

- M. Dupuis (Thesis director: J. Tschopp) 1993
- C. Krümmenacher (Thesis director: H. Diggelmann) 1995
- E. Bernasconi (Thesis director: R. Wittek) 1996
- R. Fuchs (Thesis director: H. Diggelmann) 1997
- M. Hunn (Thesis director: A.F.G. Quest) 1999
- V. Steiner (Thesis director: J. Tschopp) 1999
- L. Burri (Thesis director: F. Lévy) 2001
- K. Fragaki (Thesis director: B. Ferrua et J. Kubar, Université de Nice) 2002
- F. Vuadens (Thesis director: J.-D. Tissot) 2002
- L. Pansier (Thesis director: C. Rüegg) 2003
- W. Kiprotich Tonui (Thesis director: M. Gicheru, Nairobi, Kenya) 2003
- L. Thadikaran (Thesis director: J.- D. Tissot) 2005
- L. Rossier Pansier (Thesis director: C. Rüegg) 2006
- E. Meylan (Thesis director: J. Tschopp) 2006
- L. Thadikaran (Thesis director: J.- D. Tissot) 2007
- A. Tomm (Thesis director: J. Mottram, Glasgow) 2009
- D. M'Bang (Thesis director: P. Bastien, Montpellier) 2010
- B. Meslin (Thesis director: S. Picot, Lyon) 2010

- E. Rico (Thesis director: A. Jimenez, Madrid) 2010
- O. Rubin (Thesis director: J.-D. Tissot) 2011
- R. Chakour (Thesis director: F. Tacchini-Cottier) 2011
- W. Moreira (Thesis director: M. Ouellette, Quebec) 2011
- M. Dacher (Thesis director: G. Späth, Pasteur Institute, Paris) 2012
- N. Cyr (Thesis director: A. Jardim, Montreal) 2012
- D. M'Bang (Thesis director: P. Bastien, Montpellier) 2012
- R. Schmidt (Thesis director: P. Buetikofer, Bern) 2013

External teaching

- Lecturer: Advanced WHO/TDR course on immunology, vaccinology and biotechnology applied to infectious diseases. Biennial
- Course organizer, III^e cycle romand: "cDNA cloning by expression". September 1991. (J. Tschopp, N. Fasel, D. Jenne, M. Dupuis, C. Rais)
- Course organizer: "RNA processing" for PhD students from ISREC, Department of Biochemistry and ILRC. September 1992. (in collaboration with Dr. L. Kuhn)
- Invited lecturer WHO course: "Immunology and Biotechnology applied to infectious diseases". December 1992, Teheran, Iran
- Invited lecturer WHO course: "Immunology and Biotechnology applied to infectious diseases". April 1994, Cali, Colombia
- Invited lecturer: "Medicine and molecular biology: Introduction to clinical molecular biology". October-December 1994. CHUV
- Invited lecturer, Fribourg University, April-May 1996 : Advanced course on cellular biology (20h)
- Invited lecturer, EPFL. October 1996: "Qu'est-ce que la vie" (2 hours).
- Invited lecturer, EPFL. October 1998: "Introduction to molecular biology" (2 hours).
- Course organizer: "Molecular Parasitology" for PhD students from ISREC, Department of Biochemistry and ILRC. September-December 1998
- Invited lecturer, ICGEB (Trieste, Italy). September 2002 : Advanced course on cellular biology of *Leishmania*
- Invited lecturer, Faculty of Medicine, University of Geneva. June 2003: "La leishmaniose".
- Invited lecturer, ICGEB (Trieste, Italy). October 2004 : Advanced course on cellular biology of *Leishmania*
- Invited lecturer, ICGEB (Trieste, Italy). October 2006 : Advanced course on cellular biology of *Leishmania*
- Invited lecturer, Global Infectious diseases, US-India training course (Hyderabad, India) January 2008
- Invited lecturer, ICGEB (Trieste, Italy). October 2008: Advanced course on cellular biology of *Leishmania*
- Invited lecturer, Global Infectious diseases, US-India training course (Delhi, India). February 2009
- Invited lecturer, Patenting in life sciences, Académie des Sciences naturelles (Les Diablerets, Suisse). June 2009
- Invited lecturer, ICGEB (Trieste, Italy). October 2010: Advanced course on cellular biology of *Leishmania*
- Invited lecturer, ICGEB (Trieste, Italy). October 2012: Advanced course on cellular biology of *Leishmania*
- Invited lecturer, ICGEB (Trieste, Italy). October 2014: Advanced course on cellular biology of *Leishmania*

ACADEMIC LIFE

University Commissions

- Membre de la Commission pour la promotion des femmes (2005-2007)
- Membre de la Commission de nomination pour un Professeur en Allergologie et Immunologie (1998-1999)
- Membre fondateur de la plate-forme de protéomique de l'Université de Lausanne (2000-2002)

- Membre de la Commission de présentation pour un coordinateur pour la plate-forme de protéomique (2003)
- Membre de la Commission du Conseil de l'Université pour la nomination du Recteur de l'Université (2005)
- Président de la Commission de nomination d'un MER au Département de pharmacologie et toxicologie (2006)
- Président de la Commission de planification académique du Département de microbiologie (2007)
- Président de la Commission de planification académique du Département d'écologie et d'évolution (2007)
- Président de la Commission de planification académique du Département de biologie moléculaire et végétale (2007)
- Président de la Commission de planification académique du Département de physiologie (2007)
- Président de la Commission de planification académique du Département de pharmacologie et toxicologie (2007)
- Membre du Bureau de Planification hospitalo-universitaire (2007)
- Membre du groupe de réflexion en physiologie et pathophysiologie (2008)
- Membre de la Commission pour la nomination d'un MER au Département de physiologie (2008)
- Membre du groupe de réflexion sur la réforme du Bachelor en Biologie (2007-2008)
- Membre de la Commission pour la nomination d'un Professeur en Dermatologie (2009 - 2010)
- Membre de la Commission pour la nomination d'un Professeur à l'Institut de Microbiologie (2010-2011)
- Membre de la Commission pour la nomination d'un Professeur et Directeur au Département de physiologie (2010-2011)
- Membre de la Commission pour un Centre d'immunologie et de maladies infectieuses (en cours)
- Membre de la Commission pour la nomination d'un Professeur et Directeur du LICR@UNIL (en cours)
- Membre de la Commission de la Relève de la Faculté de Biologie et de Médecine (2007 - présent)

PUBLICATIONS

1. N. Fasel and J. Schowing. Embryonic development of NMRI mice : relationship between the age, weight and ossification of embryos. **Laboratory Animals 14: 243-246 (1980)**
2. N. Fasel, K. Pearson, E. Buetti and H. Diggelmann. The region of mouse mammary tumor virus DNA containing the long terminal repeat includes a long coding sequence and signals for hormonally regulated transcription. **The EMBO Journal 1: 3-7 (1982)**
3. N. Fasel, E. Buetti, J. Firzloff, K. Pearson and H. Diggelmann. Nucleotide sequence of the 5' noncoding region and part of the *gag* gene of mouse mammary tumor virus; identification of the 5' splicing site for subgenomic mRNAs. **Nucleic Acids Research 11: 6943-6955 (1983)**
4. J. Rogers, N. Fasel and R. Wall. A novel RNA in which the 5' end is generated by cleavage at the Poly (A) site of immunoglobulin heavy chain secreted mRNA. **Molecular and Cellular Biology 6: 4749-4752 (1986)**
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Invited Editor of the Book

Leishmania: after the genome. Editors: Peter J. Myler and Nicolas Fasel; (13 chapters of world leaders in the *Leishmania* field); Caister Academic Press; **2008**

Patents

1. N. Fasel and C. Reymond. Dictyostelid expression vector and method for expression of a desired protein. WO92/20806 (Granted)
2. N. Fasel and C. Reymond. Modified polypeptides for enhanced immunogenicity. PCT/EP96/01744, US patent 6.113.917 (Granted)
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4. C. Reymond and N. Fasel. Expression vector for use in a one-step purification protocol. PCT/EP99/04157, US patent 09/332.902 (Granted)
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