

• **Name:** Laurence de Leval

• **Affiliation/Current Position:**

- Director and Head
 Institute of Pathology
 Department of Laboratory Medicine and Pathology
 Lausanne University Hospital
 Switzerland

- Full Professor
 Lausanne University Hospital, Switzerland

• **Country:** Switzerland

• **ICKSH2022 Presentation Title:**

T-cell lymphomas of follicular helper T-cell derivation: pathology, mechanisms and therapeutic implications

• **Educational Background:**

1994	Medical Doctor, University of Liège, Belgium
1998-2000	Post-doctoral Researcher in Hematopathology and Resident in Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA
1994-1998	Research Fellow of the FNRS and Resident in Pathology, CHU Sart Tilman, Liège
1998	PhD in Biomedical Sciences, University of Liège - Contribution to the study of functional interactions between B and T lymphocytes in murine acquired immunodeficiency syndrome (MAIDS).
1999	United States Medical Licensing Examination Certificate of the Educational Commission for Foreign Medical Graduates, Philadelphia, USA
2000	Board certified in Pathologic Anatomy and Cytology, Belgium
2007	Agrégation de l'Enseignement Supérieur, University of Liège Contribution to the pathological study of human lymphomas.
2010	Board certified in pathology (FMH, Switzerland)
2015	Board certified in Molecular Pathology (FMH, Switzerland)

• Professional Experiences:

- 2010- Director (Chef de Service) and Full Professor
 Institute of Pathology, Lausanne University Hospital (CHUV) and
 University of Lausanne, Switzerland
- 2008-2009 Professor of Clinics, University of Liège
- 2007-2009 Permanent Research Associate of the Belgian National Fund for Scientific
 Research (FNRS)
- 2004-2009 Maître de Conférences, University of Liège
- 2000-2009 Associate Pathologist, CHU Sart Tilman, Liège
- 2001-2007 Research Associate of the FNRS

• Professional Organizations

- Member of the European Association for Haematopathology, the United States and Canadian Association for Pathology, the Society for Hematopathology, European Society of Pathology, the French Division of the International Academy of Pathology, the Swiss Society of Pathology, the Société Française de Pathologie, and the Lymphoma Study Association (LYSA)
- Renowned academies: International Lymphoma Study Group (ILSG), elected member (2011) ; Académie Royale de Médecine de Belgique, elected corresponding member (2013)
- Specific duties
 - Member of the pathology group of the LYSA (Lymphoma Study Association)
 - Co-chair of the T-cell lymphoma working group of the LYSA
 - Member of the scientific board of the International Workshop on non-Hodgkin Lymphomas
- Reviewer for Journals: Annals of Hematology, APMIS, Blood, Cancer Genetics Cytogenetics, Clinical Cancer Research, Experimental and molecular pathology, Haematologica, Histopathology, Human Pathology, Journal of Clinical Pathology, The Journal of Haematopathology, Leukemia, Leukemia and Lymphoma, Leukemia Research, Médecine Sciences, the New England Journal of Medicine, Oncotarget, Pathology Research and Practice, PloS ONE
- Scientific expert for review of different granting agencies and foundations, including the Leukemia and Lymphoma Foundation, and the Institut National du Cancer (France)

- Editorial Board member: Frontiers in Oncology (2019-); Virchows Archiv; Journal of Haematopathology; Modern Pathology (2020-); Leukemia Research (2021-)

• Prizes, Awards

- 2008 Benjamin Castleman award of the United States and Canadian Academy of Pathology, in recognition of the best paper published in the field of pathology (1,500 USD)
- 2009 Prize of the Inbev-Latour Foundation for clinical research (75,000 euros)

• Main Scientific Publications

1. **de Leval L**, Savilo E, Longtine J, Ferry J, Harris NL. Peripheral T-cell lymphoma with follicular involvement and a bcl-6+/CD4+ phenotype. The American Journal of Surgical Pathology 2001, 25: 395-400.
2. Savage KJ, Monti S, Kutok JL, Cattoretto G, Neuberg D, **de Leval L**, Kurtin P, Dal Cin P, Ladd C, Feuerhake F, Aguiar R, Li S, Salles G, Berger F, Jing W, Pinkus G, Habermann T, Dalla-Favera R, Harris NL, Aster JC, Golub T, Shipp MA. The molecular signature of mediastinal large B-cell lymphoma differs from that of other diffuse large B-cell lymphomas and shares features with classical Hodgkin's lymphoma. Blood 2003, 102: 3871-79.
3. de Leval L, Vivario M, De Prijck B, Zhou Y, Boniver J, Harris NL, Isaacson P, Du MQ. Distinct clonal origin in two cases of Hodgkin's lymphoma variant of Richter's syndrome associated with EBV infection. The American Journal of Surgical Pathology 2004, 28: 679-86.
4. **de Leval L**, Rickman DS, Thielen C, de Reynies A, Huang YL, Delsol G, Lamant L, K Leroy K, J Brière J, Molina T, Berger F, Gisselbrecht C, Xerri L, Gaulard P. The gene expression profile of nodal peripheral T-cell lymphoma demonstrates a molecular link between angioimmunoblastic T-cell lymphoma (AITL) and follicular helper T cells (TFH). Blood 2007, 109: 4952-4963.
5. Huang Y, de Réynies A, **de Leval L**, Ghazi B, Martin-Garcia N, Travert M, Bosq J, Brière J, Petit B, Thomas E, Coppo P, Marafioti T, Emile JF, Delfau-Larue MH, Schmitt C, Gaulard P. Gene expression profiling identifies emerging oncogenic pathways operating in extranodal NK/T-cell lymphoma, nasal-type. Blood 2010; 115: 1226-37.

6. Lemonnier F, Couronne L, Parrens M, Jais JP, Travert M, Lamant L, Tournillac O, Rousset T, Fabiani B, Cairns RA, Mak T, Bastard C, Bernard OA, **de Leval L***, Gaulard P* (*equal contribution). Recurrent *TET2* mutations in Peripheral T- Cell Lymphomas correlate with T_{FH}-like features and adverse clinical parameters. *Blood* 2012; 120:1466-9.
7. Travert M, A de Réynies A, Y Huang Y, L **de Leval L**, N Martin-Garcia N, MH Delfau-Larue MH, F Berger F, J Bosq J, J Brière J, J Soulier J, Ph Dessen P, E MacIntyre E, T Marafioti T, P Gaulard P. Molecular signature of hepatosplenic T-cell lymphoma has a distinct molecular signature that identifies novel targets for therapies. *Blood* 2012; 119: 5795-806.
8. * **de Leval L**,*Parrens M, Le Bras F, Jais JP, Fataccioli V, Martin A, Lamant, L Richard Delarue R, Berger F, Abion F, Bossard C, Copin MC, Danielle Canioni D, Charlotte F, Damaj G, Dartigues P, Fabiani B, Ledoux-Pilon A, Montagne K, Molina T, Patey M, Tas P, Pech M, Petit B, Petrella T, Picquenot JM, Rousset T, Rousselet MC, Soubeyran I, Thiebault S, Tournilhac O, Xerri L, Gisselbrecht C, Haioun, Delsol G, Gaulard P (*equal contribution) Angioimmunoblastic T-cell lymphoma is the most common T- cell lymphoma in two distinct French information data sets. *Haematologica* 2015; 100: e361-64.
9. Vallois D, Dobay M, Morin R, Lemonnier F, Missiaglia E, Juilland M, Iwaszkiewicz J, Fataccioli V, Bisig B, Roberti A, Grewal J, Bruneau J, Fabiani B, Martin A, Bonnet C, Michielin O, Jais JP, Figeac M, Bernard O, Delorenzi M, Thome M, Haioun C, Tournilhac O, Gascoyne R, Gaulard P, and **de Leval L**. Activating mutations in genes related to TCR signaling in angioimmunoblastic and other follicular helper T-cell-derived lymphomas. *Blood*. 2016; 128 (11): 1490-502.
10. Roberti A, Dobay MP, Bisig B, Vallois D, Boéchat C, Lanitis E, Bouchindhomme B, Parrens MC, Bossard C, Quintanilla-Martinez L, Missiaglia E, Gaulard P and **de Leval L**. Type II Enteropathy-Associated T- Cell Lymphoma Features a Unique Genomic Profile with Highly Recurrent *SETD2* Alterations. *Nat Commun*. 2016; 7: 12602.
11. McKinney M, Moffitt AB, Gaulard P, Travert M, **de Leval L**, Nicolae A, Raffeld M, Jaffe ES, Pittaluga S, Xi L, Heavican T, Iqbal J, Belhadj K, Delfau-Larue MH, Fataccioli V, Czader MB, Lossos IS, Chapman- Fredricks JR, Richards KL, Fedoriw Y, Ondrejka SL, Hsi ED, Low L, Weisenburger D, Chan WC, Mehta-Shah N, Horwitz S, Bernal-Mizrachi L, Flowers CR, Beaven AW, Parihar M, Baseggio L, Parrens M, Moreau A, Sujobert P, Pilichowska M, Evens AM,

- Chadburn A, Au-Yeung RK, Srivastava G, Choi WW, Goodlad JR, Aurer I, Basic-Kinda S, Gascoyne RD, Davis NS, Li G, Zhang J, Rajagopalan D, Reddy A, Love C, Levy S, Zhuang Y, Datta J, Dunson DB, Dave SS. The Genetic Basis of Hepatosplenic T-cell Lymphoma. *Cancer Discovery*, 2017; 7(4): 369-379.
12. Dobay MP, Lemonnier F, Missiaglia E, Bastard C, Vallois D, Jais JP, Scourzic L, Dupuy A, Fataccioli V, Pujals A, Parrens M, Le Bras F, Rousset T, Picquenot JM, Martin N, Haioun C, Delarue R, Bernard OA, Delorenzi M, **de Leval L**, Gaulard P. Integrative clinicopathological and molecular analyses of angioimmunoblastic T-cell lymphoma and other nodal lymphomas of follicular helper T-cell origin. *Haematologica*. 2017;102(4):E148-E51.
13. Vallois D, Dupuy A, Lemonnier F, Allen G, Missiaglia E, Fataccioli V, Ortonne N, Clavert A, Delarue R, Rousselet MC, Fabiani B, Llamas-Gutierrez F, Ogawa S, Thome M, Ko YH, Kataoka K, Gaulard P, **de Leval L**. RNA fusions involving CD28 are rare in peripheral T-cell lymphomas and concentrate mainly in those derived from follicular helper T cells. *Haematologica* 2018; 103(8):E360-E3.