



# Dr méd. Antoine Leimgruber

Spécialiste FMH en Médecine Nucléaire  
Spécialiste FMH en Radiologie  
Physicien EPFL

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## Профиль

### Языки

Français, Anglais, Espagnol et Allemand (basique)

### Профессиональный опыт

C 2021	Directeur du développement de la Médecine Nucléaire, Swiss Medical Network
C 2019	Co-fondateur, Biopsomic SA
2015-2021	Chef de l'unité de Médecine Nucléaire et responsable de l'imagerie oncologique (Hopital Riviera-Chablais)
2007-2014	Médecin en formation et Fellow, Hôpital universitaire de Lausanne, Peter MacCallum Cancer Center, Austin Health, Center for Molecular Imaging Research & Center for Systems Biology, Harvard Medical School
2001-2006	Associé de recherche, Groupe de modélisation moléculaire, Institut suisse de bioinformatique et Ludwig Institute Lausanne
2000	Ingénieur de projet, Système d'archivage et de communication d'images, Service de radiologie, CHU de Lausanne
1998-1999	Consultant en mathématiques financières, Time-Steps SA, Zurich

### Образование

2007-2015	Formation spécialisée : <ul style="list-style-type: none"><li>• Fellow en imagerie hybride, Département d'imagerie du cancer, Peter MacCallum Cancer Center (Prof Hicks, Melbourne)</li><li>• Chef de clinique, Service of Nuclear Medicine &amp; Ludwig Institute (Prof Rowe et Scott, Melbourne, Australie)</li><li>• Chef de clinique adjoint, Service de médecine nucléaire, CHU de Lausanne (Prof Prior, Suisse)</li><li>• Médecin assistant, Service de radiologie, CHU de Lausanne (Prof Schnyder, Meuli, Suisse)</li><li>• Fellow, Center for Molecular Imaging Research &amp; Center for Systems Biology (Prof Pittet &amp; Weissleder, Harvard Medical School, États-Unis)</li></ul>
2000-2007	Formation non spécialisée : <ul style="list-style-type: none"><li>• Hôpital universitaire de Lausanne</li><li>• Massachusetts General Hospital (Boston, États-Unis)</li><li>• Institut d'oncologie de la Bolivie orientale (Santa Cruz, Bolivie)</li><li>• Ambulatorio Dr David Espinoza Rojas (Nueva Esparta, Venezuela)</li></ul>

## Участие в профессиональных сообществах

- Fédération des médecins suisses (FMH)
- Société vaudoise de médecine (SVM)
- Société suisse de médecine nucléaire (SSMN)
- Société Suisse de radiologie (SSR) European Neuroendocrine Tumor Society
- Australian and New Zealand Society of Nuclear Medicine (ANZSNM)
- Radiological Society of North America (RSNA)
- European Neuroendocrine Tumor Society (ENETS)
- Vaud State Academic Society

## Публикации

- Lobb RJ, van Amerongen R, Wen Wen S, Wong CSF, Wiegman AP, Hstie M, Norris E, Siva S, Everitt S, Fong K, Gorman J, **Leimgruber A** and Möller A, *An epithelial-to-mesenchymal transition induced multi-protein exosome signature prognosticates patient outcome in non-small cell lung cancer*, en préparation
- Gatta R, Depeursinge A, Ratib O, Michielin O, **Leimgruber A**, *Integrating radiomics into holomics for personalised oncology: from algorithms to bedside*, European Radiology Exp, 2020 Feb 07,4(11) - ~10 citations
- **Leimgruber A**, Hickson K, Lee ST, Gan HK, Cher LM, Sachinidis JLO, O'Keefe GJ, Scott AM, *Spatial and quantitative mapping of glycolysis and hypoxia in glioblastoma as a predictor of radiotherapy response and sites of relapse*, EJNMMI, 2020 Feb 5;47(1476-1485) - ~10 citations
- Wen Wen S, Everitt SJ, Bedö J, Chabrot M, Ball DL, Solomon B, MacManus M, Hicks RJ, Möller A and **Leimgruber A**, *Spleen volume variation in patients with locally advanced non-small cell lung cancer receiving platinum-based chemo-radiotherapy*, PLoS One. 2015 Nov 24;10(11) - ~15 citations
- Lobb RJ, Becker M, Wen Wen S, Wong CSF, Wiegman AP, **Leimgruber A**, Möller A, *Optimized Exosome Isolation Protocol for Cell Culture Supernatant and Human Plasma*, J Extracell Vesicles. 2015 Jul 17;4 - ~800+ citations
- **Leimgruber A**, Möller A, Everitt S, Chabrot M, Ball D, Solomon B, MacManus M and Hicks R, *Effect of platinum-based chemoradiotherapy on cellular proliferation in bone marrow and spleen, estimated by FLT-PET/CT in patients with locally advanced non-small cell lung cancer*, J Nucl Med. 2014 May 27;55(7) - ~30 citations & Alavi-Mandell award
- **Leimgruber A**, Ferber M, Irving M, Hussain-Kahn H, Wieckowski S, Rufer N, Zoete V and Michielin O, *TCRep 3D: an automated in silico approach to study the structural properties of TCR repertoires*, PloS One. 2011;6(10) - ~20 citations
- Gambarota G, Perazzolo C, **Leimgruber A**, Meuli R, Mangin P, Augsburg M and Grabherr S, *Non-invasive detection of dissolved cocaine in wine bottles by magnetic resonance spectroscopy*, Drug Test Anal. 2010 Sep 30.
- **Leimgruber A**, Berger C, Cortez-Retamozo V, Etzrodt M, Newton A, Waterman P, Figueiredo J, Kohler R, Elpek N, Mempel T, Swirski F, Nahrendorf M, Weissleder R and Pittet M, *Behavior of endogenous tumor-associated macrophages assessed in vivo using a functionalized nanoparticle*, Neoplasia. 2009 May; 11(5) - ~100 citations & journal cover
- Derré L, Bruyninx M, Baumgaertner P, Ferber M, Schmid D, **Leimgruber A**, Zoete V, Romero P, Michielin O, Speiser D and Rufer N, *Structurally distinct TCRs confer similar recognition of the tumor-specific epitope NY-ESO-1157-165 by interacting with its central Met/Trp residues*, Proc Natl Acad Sci U S A. 2008 Sep 30;105(39) - ~40 citations
- Derré L, Ferber M, Touvrey C, Devereux E, Zoete V, **Leimgruber A**, Romero P, Michielin O, Lévy F and Speiser D, *A novel population of human melanoma-specific CD8 T cells recognizes Melan-AMART-1 immunodominant nonapeptide but not the corresponding decapeptide*, J Immunol, 2007 Dec 1;179(11) - ~30 citations

- **Leimgruber A**, Ostermann S, Yeon EJ, Buff E, Maeder P, Stupp R and Meuli R, *Perfusion and diffusion MRI of glioblastoma progression in a four-year prospective temozolomide clinical trial*, Int J Radiat Oncol Biol Phys, 2006 Mar 1;64(3) - ~40 citations

## Аккредитация

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[Маммологический центр](#)

## Специализации

[Медицинская радиология](#)

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## Контакты

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