LI TANG

Personal Information

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Positions and Employment

Dec. 2022- **Associate Professor (with tenure)**
Institute of Bioengineering (**IBI**) / Institute of Materials Sci & Eng (**IMX**)
EPFL, Lausanne, Switzerland

2016-2022 **Assistant Professor (tenure-track)**
Institute of Bioengineering (**IBI**) / Institute of Materials Sci & Eng (**IMX**)
École polytechnique fédérale de Lausanne (**EPFL**)**,** Lausanne, Switzerland

Education and Training

2013-2016 **CRI Irvington Postdoctoral Fellow**
The David H. Koch Institute for Integrative Cancer Research, Department of Biological Engineering / Materials Science and Engineering
Massachusetts Institute of Technology (**MIT**), Cambridge, MA, USA
Advisor: Darrell J. Irvine

2007-2012 **Ph.D.**, Materials Science and Engineering
University of Illinois at Urbana-Champaign (**UIUC**), Urbana, IL, USA.
Advisor: Jianjun Cheng

2003-2007 **B.S.**, Chemistry
Peking University (**PKU**), Beijing, China

Honors and Awards

2022 Anna Fuller Award
2021 Cancer Research Institute Clinic & Laboratory Integration Program (CLIP) Award
2021 Anna Fuller Award
2020 *Materials Horizons* Emerging Investigator
2020 Outstanding Reviewer for *Biomaterials Science*
2020 MIT TR 35 Innovators Under 35, China, MIT Technology Review
2019 SWISS BRIDGE AWARD (finalist among 7)
2019 *Biomaterials Science* Emerging Investigator
2018 European Research Council (ERC) Starting Grant
2018 Nano Research Young Innovator Award (NR 45 under age 45)
2018 SWISS BRIDGE AWARD (finalist among 7)

2013-2016 Irvington Postdoctoral Fellowship, Cancer Research Institute (CRI), New York, NY.

2015 Society for Immunotherapy of Cancer (SITC) Young Investigator Abstract Travel Award, SITC, Milwaukee, WI.

2015 MIT Postdoctoral Association Conference Travel Grant, MIT, Cambridge, MA.

2014 Marlena Felter Bradford Research Travel Fellowship, Koch Institute, MIT, Cambridge, MA.

2011-2013 Fellowship in Cancer Nanotechnology (***2 consecutive years***), NIH National Cancer Institute Alliance for Nanotechnology in Cancer 'Midwest Cancer Nanotechnology Training Center (M-CNTC)', UIUC, Urbana, IL.

2012 Poster Award, Annual Symposium of National Cancer M-CNTC, UIUC, Urbana, IL.

2012 Racheff-Intel Award (***1st place out of 4 awardees***) for outstanding graduate research, UIUC, Urbana, IL.

2012 Materials Science and Engineering Graduate Student Travel Award, UIUC, Urbana, IL.

2010 University Fellowship, UIUC, Urbana, IL.

2003-2007 Cyrus Tang Scholarship (***4 consecutive times***), Cyrus Tang Foundation, USA

2005-2006 Tai Zhao Undergraduate Research Fellowship for undergraduate scientific research, Sino Capital Education Foundation, Hong Kong, China

Publications

*corresponding author; #: equal contribution

53. Zhao, Y.; Chen, J.; Andreatta, M.; Feng, B.; Xie, Y.-Q.; Wenes, M.; Wang, Y.; Gao, M.; Hu, X.; Romero, P.; Carmona, S.; Sun, J.*; Guo, Y.*; **Tang, L.*** "Metabolically Armored CAR-T Cells Counter Dysfunction and Promote Stemness for Solid Tumor Clearance", ***Nat. Biotech.*** **2023**, in revision.
52. Wang, Y.; Kurum, A.; **Tang, L.*** "Soft Cancer Cells Squeeze Through T cell's Grip", ***Matter*** **2022**, 5, 2510-2513. *Invited perspective.*
51. Ashby, J.F.; Schmidt, J.; Magnus, NKC; Kurum, A.; Koch, C.; Harari, A.; **Tang, L.**; Au, S.H. "Microfluidic T Cell Selection by Cellular Avidity", ***Adv. Healthcare Mater.*** **2022**, 2200169.
50. Kremenovic, M.; Chan, A.A.; Feng, B.; Bäriswyl, L.; Robatel, S.; Gruber, T.; **Tang, L.**; Lee, D.J.; Schenk, M. "BCG Hydrogel Promotes CTSS-Mediated Antigen Processing and Presentation, Thereby Suppressing Metastasis and Prolonging Survival in Melanoma", ***J. ImmunoTher. Cancer*** **2022**, 10, e004133.
49. Van Herck, S.; Feng, B.; **Tang, L.*** "Delivery of STING Agonists for Adjuvanting Subunit Vaccines", ***Adv. Drug Deliv. Rev.*** **2021**, 179, 114020. *Invited review.*
48. Lei, K.; Kurum, A.; Kaynak, M.; Bonati, L.; Han, Y.; Cencen, V.; Gao, M.; Xie, Y.-Q.; Guo, Y.; Hannebelle, M.T.M.; Wu, Y.; Zhou, G,; Guo, M.; Fantner, G.E.; Sakar, M.S.; **Tang, L.*** "Cancer-Cell Stiffening via Cholesterol Depletion Enhances Adoptive T-cell Therapy", ***Nat. Biomed. Eng.*** **2021**, 5, 1411–1425.
Editorial highlight in Nature Biomedical Engineering, Volume 5 Issue 12, Dec 2021.
Highlighted: EPFL News, RTS radio, MedicalXpress, Mirage News, BioArt

47. Zhao, Y.; Xie, Y.-Q.; Nassiri, S.; Gao, M.; Guo, Y.; **Tang, L.*** "Switchable Immune Modulator for Tumor-Specific Activation of Anticancer Immunity", ***Sci. Adv.*** **2021**, 7, eabg7291.
46. Gao, M.; Xie, Y.-Q.; Lei, K.; Zhao, Y.; Kurum, A.; Van Herck, S.; Guo, Y.; Hu, X.; **Tang, L.*** "A Manganese Phosphate Nanocluster Activates the cGAS-STING Pathway for Enhanced Cancer Immunotherapy", ***Adv. Ther.*** **2021**, 4: 2100065.
45. Guo, Y.[#]; Xie, Y.-Q.[#]; Gao, M.; Zhao, Y.; Franco, F.; Wenes, M.; Siddiqui, I.; Bevilacqua, A.; Wang, H.; Yang, H.; Feng, B.; Xie, X.; Sabatel, C.M.; Tschumi, B.; Chaiboonchoe, A.; Wang, Y.; Li, W.; Xiao, W.; Held, W.; Romero, P.; Ho, P.-C.*; **Tang, L.*** "Metabolic Reprogramming of Terminally Exhausted CD8+ T cells by IL-10 Enhances Anti-Tumor Immunity", ***Nat. Immunol.*** **2021**, 22, 746–756.
Cover story of Nature Immunology, Volume 22 Issue 6, June 2021.
Highlighted: EPFL News, RTS radio, Technology Networks, Infosurhoy, ScienMag, Bioengineer.org, MedicalXpress, Mirage News, Newswise, Sciencewsnet.in, EurekAlert!, BioArt
44. Bonati, L.; **Tang, L.*** "Cytokine Engineering for Targeted Cancer Immunotherapy", ***Curr. Opin. Chem. Biol.*** **2021**, 62, 43-52.
43. Ferreira, D.P.; Silva, J.G.; Wyss, T.; Marraco, S.A.F.; Scarpellino, L.; Maas, R.; Siddiqui, I.; **Tang, L.**; Joyce. J.A.; Delorenzi, M.; Luther, S.; Speiser. D.E.; Held, W. "Central memory CD8+ T cells derive from stem-like Tcf7hi effector cells in the absence of cytotoxic differentiation", ***Immunity***, **2020**, 53, 985-1000.e11.
42. Lei, K.; **Tang, L.*** "T Cell Force-Responsive Delivery of Anticancer Drugs Using Mesoporous Silica Microparticles", ***Mater. Hori.*** **2020**, 7, 3196-3200.
Cover story of Materials Horizons Issue 12, December. Highlighted: EPFL News; Materials Horizons Emerging Investigator Series.
41. Lei, K.; Kurum, A.; **Tang, L.*** "Mechanical Immunoengineering of T-cells for Therapeutic Applications", ***Acc. Chem. Res.*** **2020**, 53, 2777–2790.
40. Yu, Y.-R.; Wang, H.; Imrichova, H.; Chao, T.; Xiao, Z.; Gao, M.; Franco, F.; Genolet, R.; Jandus, C.; Coukos, G.; Jiang, Y.-F.; Cheng, W.-C.; Locasale, J.; Zippelius, A.; Liu, P.-S.; **Tang, L.**; Bock, C.; Vannini, N.; Ho, P.-C.* "Disturbed mitochondrial dynamics in CD8+ TILs reinforce T cell exhaustion", ***Nat. Immunol.*** **2020**, 21, 1540–1551.
39. Kurum, A.; Gao, M.; **Tang, L.*** "Synthetic 3D scaffolds for cancer immunotherapy", ***Curr. Opin. Biotechnol.*** **2019**, 65, 1-8.
38. Eskandari, S.K.; Sulkaj, I.; Melo, M.B.; Li, N.; Allos, H.; Kollar, B.; Borges, T.J.; Eskandari, A.S.; Cai, S.; Assaker, J.P.; Choi, J.Y.; Al Dulaijan, B.S.; Mansouri, A.; Haik, Y.; Leuvenink, H.G.D.; van Son, W.J.; Pomahac, B.; Riella, L.V.; **Tang, L.**; Seelen, M.A.J.; Irvine, D.J. & Azzi, J.R. “Regulatory T Cells Engineered with TCR-Signaling-Responsive IL-2 Nanogels Suppress Alloimmunity in Sites of Antigen Encounter”, ***Sci. Transl. Med.*** **2020**, 12, eaaw4744.
37. Wei, L.[#]; Zhao, Y.[#]; Hu, X.; **Tang, L.*** "Redox-Responsive Polycondensate Neoepitope for Enhanced Personalized Cancer Vaccine", ***ACS Cent. Sci.*** **2020**, 6, 404-412.

36. Loukogeorgakis, S.P.; Fachin, C.G.; Dias, A.S.; Li, H.; **Tang, L.**; Kim, A.G.; Vrecenak, J.D.; Stratigis, J.; Ahn, N.J.; Nissim, I.; Nissim, I.; Moron, A.F.; Martins, J.L.; Peranteau, W.H.; Coppi, P.D.; Irvine, D.L.; Flake, A.W. "Donor-Cell Engineering with GSK3 Inhibitor-Loaded Nanoparticles Enhances Engraftment Following in Utero Transplantation", ***Blood*** **2019**, 134, 1983-1995.
35. Guo, Y.; **Tang, L.*** "A Magnetic Nanovaccine Enhances Cancer Immunotherapy", ***ACS Cent. Sci.*** **2019**, 5, 747-749.
34. Xie, Y-Q.; Arik, H.; Wei, L.; Zheng, Y.; Suh, H.; Irvine, D.J.; **Tang, L.*** "Redox-Responsive Interleukin-2 Nanogel Specifically and Safely Promotes the Proliferation and Memory Precursor Differentiation of Tumor-Reactive T-Cells", ***Biomater. Sci.*** **2019**, *7*, 1345-1357. *Invited contribution as Biomaterials Science Emerging Investigator.*
33. Lei, K.; **Tang, L.*** "Surgery-free injectable macroscale biomaterials for local cancer immunotherapy", ***Biomater. Sci.*** **2019**, 7, 733-749. *Invited review.*
32. Zhao, Y.; Guo, Y.; **Tang, L.*** "Engineering Cancer Vaccines Using Stimuli-Responsive Biomaterials", ***Nano Res.*** **2018**, 11, 5355–5371. *Invited review*.
31. **Tang, L.***; Zheng, Y.; Melo, M.B.; Mabardi, L.; Castaño, A.P.; Xie, Y.-Q.; Li, N.; Kudchodkar, S.B.; Wong, H.C.; Jeng, E.K.; Maus, M.V. and Irvine, D.J.* "Enhancing T-cell Therapy Through TCR Signaling-Responsive Nanoparticle Drug Delivery", ***Nat. Biotech.*** **2018**, *36*, 707-716.
    Cover story of Nature Biotechnology, Volume 36 Issue 8, August 2018.
    Highlighted: EPFL News, Ludwig News, EurekAlert!, Phys.org, Nanowerk, My Science, eCancer, Health Canal, Medindia, Madrid, UPI.com, Science and Enterprise, Brinkwire, Sina, BioArt
30. Guo, Y.; Lei, K.; **Tang, L.*** "Neoantigen Vaccine Delivery for Personalized Anticancer Immunotherapy", ***Front. Immunol.*** **2018**, *9*, 1499. *Invited review*.
29. Yin, Q.; **Tang, L.**; Cai, K.; Yang, X.; Yin, L.; Zhang, Y.; Dobrucki, L.W.; Helferich, W.G.; Fan, T.M. and Cheng, J. "Albumin as a "Trojan Horse" for polymeric nanoconjugate transendothelial transport across tumor vasculatures for improved cancer targeting", ***Biomater. Sci.*** **2018**, *6*, 1189-1200
28. Xie, Y-Q.; Wei, L.; **Tang, L.*** "Immunoengineering with Biomaterials for Enhanced Cancer Immunotherapy", ***WIREs Nanomed. Nanobiotechnol.*** **2018**, *10*, e1506. *Invited review*. *TOP DOWNLOADED PAPER 2018-2019.*

Prior to EPFL

27. Zheng, Y.; **Tang, L.**; Kumari, S.; and Irvine, D.J. "Enhancing Adoptive Cell Therapy of Cancer through Targeted Delivery of Small-Molecule Immunomodulators to Internalizing or Noninternalizing Receptors", ***ACS Nano*** **2017**, *11*, 3089-3100.
26. Yang, Y.S.; Atukorale, P.; Moynihan, K.; Bekdemir, A.; Rakhra, K.; **Tang, L.**; Stellacci, F. and Irvine, D.J. "High-Throughput Quantitation of Inorganic Nanoparticle Biodistribution at the Single-Cell Level Using Mass Cytometry", ***Nat. Comm.*** 2017, *8*, 14069.

25. Wang, H.; Wang, R.; Cai, K.; He, H.; Liu, Y.; Yen, J.; Wang, Z.; Xu, M.; Sun, Y.; Zhou, X.; Yin, Q.; **Tang, L.**; Dobrucki, I.T.; Dobrucki, L.W.; Chaney, E.J.; Boppart, S.A.; Fan, T.M.; Lezmi, S.; Chen, X.; Yin, L.; Cheng, J. “Selective in vivo Metabolic Cell-Labeling-Mediated Cancer Targeting”, ***Nat. Chem. Biol.*** **2017**, *13*, 415-424.
24. Yin, Q.[#]; **Tang, L.[#]**; Tong, R.; Sternberg, R.; Yang, X.; Dobrucki, L.W.; Borst, L.B.; Kamstock, D.A.; Cai, K.; Song, Z.; Helferich, W.G.; Cheng, J. and Fan T.M. “Pamidronate Functionalized Nanoconjugates for Targeted Therapy of Focal Skeletal Malignant Osteolysis”, ***Proc. Natl. Acad. Sci.*** **2016**, *113*, E4601-4609.
Highlighted: NIH Director' Blog, FierceBiotech, Noodles, EurekAlert!, Technology.org, Nanotechnology Now, Drug Discovery & Development, BioschienceTechnology, Azonano, Science Daily, Laboratory Journal, Phys.org, Nanowerk, Engineering at Illinois.
23. Wang, H.; **Tang, L.**; Liu, Y.; Dobrucka, I.T.; Dobrucki, L.W.; Yin, L. and Cheng, J. "In Vivo Targeting of Metabolically Labeled Cancers with Ultra-Small Silica Nanoconjugates", ***Theranostics*** **2016**, *6*, 1467-1476.
22. Azzi, J., Yin, Q., Uehara, M., Ohori, S., **Tang, L.**, Cai, K., Ichimura, T., McGrath, M., Maarouf, O., Kefaloyianni, E., Loughhead, S., Petr, J., Sun, Q., Kwon, M., Tullius, S., von Andrian, U.H., Cheng, J. and Abdi, R. “Targeted Delivery of Immunomodulators to Lymph Nodes”, ***Cell Reports*** **2016**, *15*, 1202-1213.
21. **Tang, L.**; Coyle, V.J.; Tong, R.; Yin, Q.; Pondenis, H.; Shor, S.; Borst, L.; Cheng, J.; Fan T.M. “Targeting Tumor Vasculature with Aptamer Functionalized Doxorubicin-Polylactide Nanoconjugates for Enhanced Cancer Therapy”, ***ACS Nano***, **2015**, *9*, 5072-5081.
20. Hotaling, N.A.[#]; **Tang, L.[#]**; Irvine, D.J.; Babensee, J.E. "Biomaterial Strategies for Immunomodulation", ***Annu. Rev. Biomed. Eng.*** **2015**, *17*, 317-349.
19. **Tang, L.[#]**; Yin, Q.[#]; Xu, Y.; Zhou, Q.; Cai, K.; Yen, J.; Dobrucki, L.W. and Cheng, J. “Bioorthogonal Oxime Ligation Mediated In Vivo Cancer Targeting”, ***Chem. Sci.***, **2015**, *6*, 2182-2186.
18. **Tang, L.**; Yang, X.; Yin, Q.; Cai, K.; Wang, H.; Chaudhury, I.; Yao, C.; Zhou, Q.; Kwon, M.; Hartman, J.A.; Dobrucki, L.W.; Dobrucki, I.T.; Borst, L.B.; Lezmi, S.; Helferich, W.G.; Ferguson, A.L.; Fan, T.M. and Cheng, J. “Investigating the Optimal Size of Anticancer Nanomedicine”, ***Proc. Natl. Acad. Sci.*** **2014**, *111*, 15344-15349.
Highlighted: Engineering at Illinois, Nanowerk, MedicalXpress, Science Daily, Nanotechnology Now, Daily News, EurekAlert!, Azonano, Health Canal, Bionity, Controlled Environments, Technology Org., Nature Science-Business eXchange 7(43); doi:10.1038/scibx.2014.1275.
17. Tong, R.; **Tang, L.**; Ma, L.; Tu, C.; Baumgartner, R. and Cheng, J. “Smart Chemistry in Polymeric Nanomedicines", ***Chem. Soc. Rev.*** **2014**, *43*, 6982-7012.
16. **Tang, L.**; Cheng, J. "Nonporous Silica Nanoparticles for Nanomedicine Applications", ***Nano Today*** **2013**, *8*, 290-312.
15. **Tang, L.**; Gabrielson, N.P.; Uckun, F. M.; Fan, T.M. and Cheng, J. “Size-Dependent Tumor Penetration and In Vivo Efficacy of Monodisperse Drug-silica Nanoconjugates”, ***Mol. Pharm.*** **2013**, *10*, 883-892.

14. Xing, H.[#]; **Tang, L.[#]**; Yang, X.[#]; Hwang, K.; Wang, W.; Yin, Q.; Dobrucki, W.L.; Yasui, N.; Katzenellenbogen, J.A.; Helferich, W.G.; Cheng, J. and Lu, Y. “Enhanced Breast Cancer Therapy with Nucleolin-Aptamer-Functionalized Liposomes”, ***J. Mater. Chem. B*** **2013**, *1*, 5288-5297.
13. Wang, H.; **Tang, L.**; Tu, C.; Song, Z.; Yin, Q.; Yin, L.; Zhang, Z.; Cheng, J. "Redox-Responsive, Core-Cross-Linked Micelles Capable of On-Demand, Concurrent Drug Release and Structure Disassembly", ***Biomacromolecules*** **2013**, *14*, 3706-3712.
12. Zhang, Y.; Yin, Q.; Yin, L.; Ma, L.; **Tang, L.**; Cheng, J. "Chain-Shattering Polymeric Therapeutics with On-Demand Drug-Release Capability", ***Angew. Chem. Int. Ed.*** **2013**, *52*, 6435-6439.
11. **Tang, L.**; Yang, X.; Dobrucki, W.L.; Chaudhury, I.; Yin, Q.; Yao, C.; Lezmi, S.; Helferich, W.G.; Fan, T.M. and Cheng, J. “Aptamer-Functionalized, Ultra-Small, Monodisperse Silica Nanoconjugates for Targeted Dual-Modal Imaging of Lymph Nodes with Metastatic Tumors”, ***Angew. Chem. Int. Ed.*** **2012**, *51*, 12721-12726.
    Highlighted: Nature Science-Business eXchange 5(45); doi:10.1038/scibx.2012.1193.
10. **Tang, L.**; Fan, T.M.; Borst, L.B. and Cheng, J. “Synthesis and Biological Response of Size-Specific, Monodisperse Drug-Silica Nanoconjugates”, ***ACS Nano*** **2012**, *6*, 3954-3966.
9. **Tang, L.**; Azzi, J.; Kwon, M.; Mounayar, M.; Tong, R.; Yin, Q.; Moore, R.; Skartsis, N.; Fan, T.M.; Abdi, R.; Cheng, J. "Immunosuppressive Activity of Size-Controlled PEG-PLGA Nanoparticles Containing Encapsulated Cyclosporine A", ***J. Transplant.*** **2012**, Article ID 896141.
8. Cely, I.; Yiv, S.; Yin, Q.; Shahidzadeh, A.; **Tang, L.**; Cheng, J.; Uckun, F.M. “Targeting Mantle Cell Lymphoma with Anti-SYK Nanoparticles”, ***J. Analy. Oncol.*** **2012**, *1*, 1-9.
7. Chen, K.J.[#]; **Tang, L.[#]**; Garcia, M.A.; Wang, H.; Lu, H.; Lin, W.Y.; Hou, S.; Yin., Q.; Shen, C.K.F.; Cheng, J.; Tseng, H.R. "The Therapeutic Efficacy of Camptothecin-Encapsulated Supramolecular Nanoparticles", ***Biomaterials*** **2011**, *33*, 1162-1169.
6. Mishra, A.; Lai, G.H.; Schmidt, N.W.; Sun, V.Z.; Rodriguez, A.R., Tong, R.; **Tang, L.**; Cheng, J.; Deming, T.J.; Kamei, D.T.; Wong, G.C.L. "Translocation of HIV TAT Peptide and Analogues Induced by Multiplexed Membrane and Cytoskeletal Interactions", ***Proc. Natl. Acad. Sci.*** 2011, *108*, 16883-16888.
5. Azzi, J.[#]; **Tang, L.[#]**; Moore, R.; Tong, R.; El, Haddad N.; Akiyoshi, T.; Mfarrej, B.; Yang, S.; Jurewicz, M.; Ichimura, T.; Lindeman, N.; Cheng, J.; Abdi, R. "Polylactide-Cyclosporin A Nanoparticles for Targeted Immunosuppression", ***FASEB J.*** **2010**, *24*, 3927-3938.
4. Chaney, E. J.; **Tang, L.**; Tong, R.; Rezaeipoor, R.; Cheng, J.; Boppart, S. "Lymphatic Biodistribution of Polylactide Nanoparticles", ***Mol. Imag.*** **2010**, *9*, 153-162.
3. Tong, R.; Coyle, V.J; **Tang, L.**; Barger, A.M., Fan, T.M.; Cheng, J. "Polylactide Nanoparticles Containing Stably-Incorporated Cyanine Dyes for *In Vitro* and *In Vivo* Imaging Applications", ***Microsc. Res. Tech.*** **2010**, *73*, 901-909.
2. Tong, R.; Christian, D.A.; **Tang, L.**; Cabral, H.; Baker, J.R. Jr.; Kataoka, K.; Discher, D.; Cheng, J. "Nanopolymeric Therapeutics", ***MRS Bulletin*** **2009**, *34*, 422-431.

1. Lu, C.; Qi, L.; Yang J.; **Tang, L.**, Zhang, D.; Ma, J. “Hydrothermal Growth of Large-scale Micropatterned Arrays of Ultralong ZnO Nanowires and Nanobelts on Zinc Substrate”, ***Chem. Commun.*** **2006**, 3551-3553.

Book Chapters

2013 Tong, R.; **Tang, L.**; Gabrielson, Nathan P.; Yin, Q.; Cheng, J. "Polymer-Drug Nanoconjugates", in *Nanoparticulate drug delivery systems: Strategies, Technologies, and Applications*, Eds: Yeo, Y. (John Wiley & Sons, Hoboken, NJ, USA, **2013**). ISBN 978-1-118-14887-7.

2012 Tong, R.; **Tang, L.**; Cheng, J. "Development and Application of Anticancer Nanomedicine", in *Multifunctional Nanoparticles for Drug Delivery Applications: Imaging, Targeting, and Delivery*, Eds: Svenson, S. and Prud'homme, R. K. (Springer Science+Business Media, LLC, New York, NY, USA, **2012**). ISBN 978-1-4614-2304-1.

Patents

2022 **Tang, L.**; Wang, Y.; Guo, Y. “FUSION PROTEINS USEFUL AS ENHANCERS OF IMMUNOTHERAPIES”, EP22197346.

2022 **Tang, L.**; Feng, B.; Guo, Y. “Highly Effective Adoptive T Cell Therapy”, EP22176190.

2022 Prange, C.; Hu, X.; **Tang, L.**; Ben Sayed, N. “6-Diazo-5-oxo-L-norleucine prodrugs”, EP22205127.

2022 MARCHAND, A.; BONATI, L.; **Tang, L.**; SCHELLER, L.; GAINZA CIRAUQUI, P.; SHUI, S.; CORREIA, B. “Chemically disruptable molecule switch and use thereof”, EP22215876.

2021 Guo, Y.; **Tang, L.**; Zhao, Y. “IL-10 expressing cells for enhanced cancer immunotherapies”, EP21192853. *Licensed.*

2019 Guo, Y.; **Tang, L.**; Xie, Y.-Q. “IL10/FC FUSION PROTEINS USEFUL AS ENHANCERS OF IMMUNOTHERAPIES”, EP19198358, PCT application No. PCT/EP2020/076089. *Licensed.*

2019 **Tang, L.**; Zhao, Y.; Xie, Y.-Q. “Peptides Comprising a Hydrophilic Polymer”, provisional application.

2019 **Tang, L.;** Xie, Y.-Q. “Complexes of peptides and negatively charged polymers”, provisional application.

2019 **Tang, L.**; Wei, L.; Zhao, Y. “Polymer or Polycondensate Based on Peptide, Linker and Optionally Other Monomers”, EP19198817.9, PCT/EP2020/076196.

2015 Irvine, D.J.; Zheng, Y.; **Tang, L.** “Efficient and Stable Cell Surface Coupling of Nanoparticles”, US 20170080104 A1. *Licensed.*

2015 **Tang, L.**; Irvine, D.J. “Carrier-Free Biologically-Active Protein Nanogels”, US 20150110740. *Licensed.*

2011 Cheng, J; **Tang, L**. “Silica Nanoparticle Agent Conjugates”, US 61/418,230 **2010**, WO PCT/US2011/062548. *Licensed.*

Presentations (2016-)

Invited Talks

2023.06 Gordon Research Conference - Cancer Nanotechnology, Waterville Valley, NH,

USA. ***Invited talk***.

2023.02 Physical Sciences Onco-development Center at University of Pennsylvania, Philadelphia, PA, USA.

2023.02 Gordon Research Conference - Physical Science of Cancer, Grand Galvez, TX, USA. ***Invited talk***.

2022.09 Biointerfaces International 2022, ETH Zürich, Zürich, Switzerland

2022.08 35th EXTRAMURAL SEMINAR IN PHARMACEUTICAL SCIENCES, Leysin, Switzerland

2022.07 Gordon Research Conference - Immunoengineering, Ventura, CA, USA. ***Selected short talk***.

2022.06 Yale School of Engineering & Applied Science, Yale University, New Haven, Connecticut, USA

2022.06 University of Massachusetts Medical School, Worcester, MA, USA

2022.06 Gordon Research Conference - Immunometabolism in Health and Disease, Smithfield, RI, USA. ***Selected short talk***.

2022.06 Controlled Release Society (CRS) Immuno Delivery Webinar

2022.05 EPFL Initiative for Cancer Science and Engineering (EICSE) retreat, Lausanne, Switzerland

2022.04 Fischell Department of Bioengineering, The University of Maryland, College Park, Maryland, USA

2022.04 Johns Hopkins Institute for NanoBioTechnology; Department of Materials Science and Engineering, Johns Hopkins University, Baltimore, Maryland, USA

2022.03 SV in Extenso at EPFL (get-together of School of Life Science students), Lausanne, Switzerland

2022.03 Department of Biosystems Science and Engineering, ETH Zurich, Switzerland

2021.11 Supramolecular chemistry and immunology symposium, Faculty of Pharmaceutical Sciences, Ghent University, Belgium

2021.11 Organoids in Cancer Research workshop, Lausanne, Switzerland

2021.10 Topics in Bioengineering (TIB), Harvard University Bioengineering Seminar Series (virtual)

2021.10 Guest speaker for Genentech Protein Sciences & Cancer Immunology virtual seminar series

2021.08 ISREC-SCCL Symposium 2021, Lausanne, Switzerland

2021.04 EPFL BioE Talks, Lausanne, Switzerland

2020.12 Materials Research Society (MRS) Fall Meeting, Boston, USA. *Panelist, SM07.06 - Biomaterials for Studying and Controlling the Immune System.*

2020.10 EPFL BioE Talks, Lausanne, Switzerland

2020.09 Convergence in Oncology Summit, Lausanne, Switzerland. *Panelist, CAR-T Cell Therapies: Challenges and Opportunities.*

2020.05 Immunology on-line seminars (immunologist PIs in US, China, EU), Zoom seminars.

2020.02 2nd Swiss Cytometry Meeting, Lausanne, Switzerland.

2019.12 EmTech China (ceremony for MIT TR 35 Innovators Under 35-China region 2019), Beijing, China.

2019.11 The Fourth International Conference of Epigenetics & Biomedicines, Guangzhou, China.

2019.10 Dendritic Cells Immunotherapy & Next Generation Vaccines days 2019, Miltenyi Biotec GmbH, Bergisch Gladbach, Germany.

2019.9 1st Asian Young Investigator Symposium on Pharmaceutical Science and Technology, AYSPST (AYISPST 2019) & the 1st Young Editorial Board Conference of AJPS, Chengdu, China.

2019.5 The 17th Annual Meeting of Association for Cancer Immunotherapy (CIMT) Mainz, Germany.

2019.5 Synthetic and Systems Immunology, Ascona, Switzerland.

2019.4 Department of Molecular Sciences and Nanosystems Ca' Foscari University of Venice, Via Torino, Italy

2018.12 Institute for Molecular Life Sciences Radboudumc (RIMLS), Nijmegen, The Netherlands.

2018.12 Leiden University, The Netherlands.

2018.10 2018 BMES Annual Meeting, Atlanta, GA, USA.

2018.10 MD Anderson Cancer Center, Houston, TX, USA.

2018.10 Baylor College of Medicine, TX, USA.

2018.9 Stanford University School of Medicine, Stanford, CA, USA.

2018.9 Cell Therapies and Bioengineering Conference organized by AIChE, San Francisco, CA, USA.

2018.9 ETH Summer School: “New Frontiers in Extracellular Matrix Research: From regeneration to immunology, mechanics and soft robotics”, Zurich, Switzerland.

2018.9 ISREC-SCCL Symposium 2018 “Horizons of Cancer Biology and Therapy”, Lausanne, Switzerland.

2018.9 ***Plenary Talk***, International Seminar on Cellular Therapy 2018, Hangzhou, China.

2018.9 Zhejiang University School of Medicine, Hangzhou, China.

2018.8 West China Center of Medical Sciences of Sichuan University, Chengdu, China.

2018.8 XtalPi Inc., Shenzhen, China.

2018.7 Miltenyi Biotec GmbH, Bergisch Gladbach, Germany.

2018.6 The 24th Annual Meeting of the SSB+RM: Bioinspired Materials, University of Fribourg, Switzerland.

2018.6 ISREC Faculty Lunch Seminar, EPFL.

2018.4 Materials Research Society (MRS) Spring Meeting in Phoenix, AZ, USA.

2017.9 Dendritic Cells Immunotherapy Day, Miltenyi Biotec GmbH, Bergisch Gladbach, Germany.

2017.8 Annual meeting of the PhD program in Pharmaceutical Sciences, The Geneva-Lausanne School of Pharmacy (EPGL), Zermatt, Switzerland.

2017.8 Institute of Functional Nano & Soft Materials at Soochow University, Suzhou, China.

2017.8 Department of Materials Science & Engineering at Beijing University of Chemical Technology, Beijing, China.

2017.5 Department of Biology, The Molecular Health Sciences (MHS) Platform at ETH Zürich, Zürich, Switzerland.

2017.5 Faculty Retreat of Swiss Cancer Center Lausanne (SCCL), Lausanne, Switzerland.

2017.4 Department of Bioengineering at Stanford University, Stanford, CA, USA.

2017.4 Department of Biochemistry and Molecular Medicine at University of California, Davis, Sacramento, CA, USA.

2017.4 The 253rd American Chemical Society (ACS) National Meeting & Exposition, San Francisco, CA, USA.

2017.3 Joint Research Symposium of EPFL and Tokyo Medical and Dental University (TMDU) on Biomaterials & Bioelectronics, Lausanne, Switzerland.

2017.2 EPFL School of Life Sciences Faculty Retreat for Bio(logical) engineering, Chexbres, Switzerland.

2016.12 EPFL School of Engineering Standing Lunch, Lausanne, Switzerland.

2016.12 Joint Symposium of EPFL and University of Tokyo on Frontiers in NanoBioEngineering and Medicine, Lausanne, Switzerland.

2016.11 The 5th Faculty & Staff Retreat of the Lausanne Cancer Research Community, Lausanne, Switzerland.

2016.7 College of Chemistry and Molecular Engineering, Peking University (PKU), Beijing, China.

2016.7 Department of Macromolecular Science and the Institute of Macromolecular Science, Fudan University, Shanghai, China.

2016.7 School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University (SJTU), Shanghai, China.

2016.7 The Bio-X Institutes of Shanghai Jiao Tong University (SJTU), Shanghai, China.

2016.7 Shanghai Jiao Tong University (SJTU) School of Medicine, Shanghai, China.

2016.1 New Directions in Cancer Care for Nonspecialists: Immunotherapy and Resistance to Therapy, Boston University, Boston, MA, USA. https://youtu.be/-zbPE-1o9UY?t=8m52s

Contributed Talks/Posters

2022.04 Society For Biomaterials 2022 Annual Meeting and Exposition, Baltimore, Maryland, USA

2019.10 CRI-CIMT-EATI-AACR International Cancer Immunotherapy Conference, Paris, France.

2018.5 CIMT 2018 Annual Meeting, Mainz, Germany.

2017.9 The Third CRI-CIMT-EATI-AACR International Cancer Immunotherapy Conference, Mainz, Germany.

2016.9 “ISREC-SCCL 2016: Horizons of Cancer Biology and Therapy, Lausanne, Switzerland.

Supervision of Students and Trainees

Postdoctoral Fellows (6)

2022- Xiaolei Zhou

2020- Yi Wang

2019- Bing Feng

2017-2021 Yugang Guo (*Current position: Professor, College of Pharmaceutical Sciences, Zhejiang University, China*)

2017-2021 Yu Zhao (*Current position: Postdoc, The University of Texas Southwestern Medical Center, USA*)

2020-2021 Simon Van Herck (*Current position: Postdoc, Cornell University, USA*)

Doctoral Students (14)

2022- Weilin Li (EPFL-EDMS)

2021- Tom Enbar (EPFL-EDBB)

2021- Nadia Ben Sayed (EPFL-EDCH), co-advised

2021- Yann Tinguely (EPFL-EDBB), co-advised

2020- Rongrong Li (EPFL-EDBB)

2019- Lucia Bonati (EPFL-EDBB)

2019- Xiaomeng Hu (EPFL-EDBB)

2019- Armand Kurum (EPFL-EDMX)

2018- Yang Zhao (EPFL-EDBB)

2018- Min Gao (EPFL-EDBB)

2018- Céline Jasmin Prange (EPFL-EDCH), co-advised

2017-2021 Kewen Lei (EPFL-EDMX)

2017-2022 Lixia Wei (EPFL-EDMX), co-advised

2016-2021 Yuqing Xie (EPFL-EDBB)

Visiting doctoral students (1)

2022- Yang Liu (Scholarship, Chinese Scholarship Council), Changchun Institute of Applied Chemistry (CIAC), University of Science and Technology of China (USTC)

Master Students (>41)

2022 Xinyi Huang (EPFL- Chemical Sciences and Engineering), Semester Project

2022 Lisa Mathews (EPFL- Bioengineering), supervisor for Master Thesis

2022 Laura Cabizzosu (EPFL- Bioengineering), supervisor for Master Thesis

2022 Daisy Bhatia (EPFL- Bioengineering), Semester Project

2022 Aïman Lavallard Fadlane (EPFL- Bioengineering), supervisor for Master Thesis

2022 Maria Gabriela Kirsch (University of Strasbourg), supervisor for Master Thesis

2021 Florent Jeanpetit (EPFL- Bioengineering), supervisor for Master Thesis

2021 Merlin Lilian Després (EPFL- Bioengineering), Semester Project

2021 Idir Feliha (University of Geneva), supervisor for Master Thesis

2021 Sofia Leonova (EPFL- Bioengineering), summer Project

2021 Laura Cabizzosu (EPFL- Bioengineering), Semester Project

2021 De La Taille Thibault (EPFL- Bioengineering), supervisor for Master Thesis

2021 Chloé Dujardin (EPFL- Bioengineering), supervisor for Master Thesis

2021 Luca Bellosta (Polytechnic University of Milan), supervisor for Master Thesis

2020 De La Taille Thibault (EPFL- Bioengineering), Semester Project

2020 Nadia Ben Sayed (University of Basel), supervisor for Master Thesis

2020 Micaela Siria Cristofori (Polytechnic of Milan, Italy), supervisor for Master Thesis

2019 Citak Mehmet Kerem (EPFL- Materials Science and Engineering), Semester Project

2019 Julia Juliette Fossati (EPFL- Bioengineering), Semester Project

2019 Daniel Nakhaee-Zadeh Gutierrez (EPFL- Bioengineering), supervisor for Master Thesis

2019 Francesca Pontanari (EPFL- Bioengineering), Semester Project

2019 Vuille-Dit-Bille Emilie (EPFL- Materials Science and Engineering), Semester Project

2019 Sara de Grandis (Technical University of Denmark- Bioengineering exchange student), Semester Project

2019 Julian Barry (EPFL- Bioengineering), supervisor for Master Thesis

2019 Christina Aberer (EPFL- Bioengineering), Semester Project

2019 Mohab Elhawary (Univ. Geneva- Department of Molecular Biology and National Centre for Competence in Research in Chemical Biology), supervisor for Master Thesis

2019 Costa Borges Stéphane (EPFL- Chemical Sciences and Engineering), supervisor for Master thesis

2019 Mercado Cesar Albert (EPFL- Chemical Sciences and Engineering), supervisor for Master Thesis

2018 Mai Yuanfei (EPFL- Bioengineering), Semester Project

2018 Ghadamieh Fatemeh (EPFL- Bioengineering), Semester Project

2018 Gwendoline Wicki (EPFL- Bioengineering), Semester Project

2018 Sanja Tosheska (EPFL- Bioengineering), Semester Project

2018 Christina Aberer (EPFL- Bioengineering), Semester Project

2018 Crivello Giulia (EPFL- Bioengineering), Semester Project

2018 Daniel Nakhaee-Zadeh Gutierrez (EPFL- Bioengineering), Semester Project

2018 Julia Hauenstein (EPFL- Bioengineering), Semester Project

2018 Hacer Arik (EPFL- Bioengineering), supervisor for Master Thesis

2017 Shahana Bishnoi (EPFL- Bioengineering), Semester Project

2017 Luca Vergano (EPFL-Materials Science and Engineering), Semester Project

2017 Sanja Tosheska (EPFL- Materials Science and Engineering), Semester Project

2016 Kamyar Mehrabi Kochehbyoki (EPFL- Materials Science and Engineering), supervisor for Master Thesis

Bachelor Students (>14)

2019 Thierion De Monclin Orla Marie Bettina (EPFL-Life Sciences & Technology), Semester Project

2019 Ben Romdhane Ahmed (EPFL-Life Sciences & Technology), Semester Project

2019 Zablocki Thelma (EPFL-Life Sciences & Technology), Semester Project

2019 Calisti Caterina (EPFL-Life Sciences & Technology), Semester Project

2019 Berneron Blanche Alice Heloise (EPFL-Life Sciences & Technology), Semester Project

2019 Michael Halim (EPFL-Life Sciences & Technology), Semester Project

2019 Andreas Hurtado Iglesias (EPFL-Life Sciences & Technology), Semester Project

2018 Clara Saphyre David-Vaude (EPFL-Life Sciences & Technology), Semester Project

2018 Weng Yepeng (EPFL- Materials Science and Engineering), Semester Project

2018 Ren Jingfei (EPFL-Life Sciences & Technology), Semester Project

2018 Wan Richie Yat-tsai (EPFL-Life Sciences & Technology), Semester Project

2017 Lucas Eckes (EPFL-Life Sciences & Technology), Semester Project

2017 Sirine Sayagh (EPFL-Life Sciences & Technology), Semester Project

2017 Milad Dulloo (EPFL-Life Sciences & Technology), Semester Project

Internship Students (>8)

2022 Sundos Abu Salad (SV SRP program), Jordan University of Science and Technology, Jordan

2022 Man Hei Connie SIU (Hong Kong Innovation and Technology Scholarship 2022), The Chinese University of Hong Kong, China

2021 Nadezhda V. Azbukina (STI E3 program), Moscow State University, Russian

2019 Zi-Fan He (STI E3 program), National Tsing Hua University, Taiwan

2019 Shayan Hemmati, Johns Hopkins University, USA

2019 Amruta, Nanyang Technological University, Singapore

2018 James Li, Johns Hopkins University, USA

2018 Nabeel Ahmad, Université de Franche-Comté, France

Student Awards

2022 Kewen Lei, The Chinese Government Award for Outstanding Self-financed Students Abroad， Switzerland.

2022 Xiaolei Zhou, EPFLeaders4impact fellowship co-funded by Marie Skłodowska-Curie.

2022 Tom Enbar, EPFLglobaLeaders fellowship co-funded by Marie Skłodowska-Curie

2021 Armand Kurum, EPFL representative for Global Young Scientists Summit (GYSS) 2022.

2020 Xiaomeng Hu, doctoral fellowship of the 'EPFL|nnovators' programme (Marie Sklodowska-Curie Actions – COFUND project under Horizon 2020).

2019 Armand Kurum, doctoral fellowship of the 'EPFL|nnovators' programme (Marie

Sklodowska-Curie Actions – COFUND project under Horizon 2020).

2019 Xiaomeng Hu, CSC Scholarship offered by China Scholarship Council

2018 Min Gao, CSC Scholarship offered by China Scholarship Council

2018 Yu Zhao, EuroTechPostdoc Fellowship

Committee Member

Candidacy Exam

2022.07 Stephen Buckley (EPFL-EDBB)

2022.04 Yann Tinguely (EPFL-EDBB)

2022.03 Ian Marten (EPFL-EDMS)

2022.02 Daniel_Tadros (Univ. of Lausanne)

2021.10 Rongrong Li (EPFL-EDBB)

2021.10 Blandine Vergier (EPFL-EDBB)

2021.01 Lucia Bonati (EPFL-EDBB)

2020.09 Xiaomeng Hu (EPFL-EDBB)

2020.08 Armand Kurum (EPFL-EDMX)

2020.07 Saeid Ansaryan (EPFL-EDBB)

2020.04 Antonius Chrisnandy (EPFL-EDCH)

2019.12 Yang Zhao (EPFL-EDBB)

2019.11 Min Gao (EPFL-EDBB)

2019.10 Olga Mitrofanova (EPFL-EDBB)

2019.06 Céline Jasmin Prange (EPFL-EDCH)

2018.04 Michael Shur (EPFL-EDMX)

2018.03 Lixia Wei (EPFL-EDMX)

2017.11 Cristiana Berti (EPFL-EDMX)

2017.10 Yuqing, Xie (EPFL-EDBB)

2017.10 Grégoire Michielin (EPFL-EDBB)

2017.05 Saba Rezakhani (EPFL-EDCH)

2017.01 Markus Schuster (EPFL-EDMX)

PhD Defense

2022.02 Lixia Wei (EPFL-EDMX)

2021.12 Kewen Lei (EPFL-EDMX)

2021.11 Annemiek Uvyn (Gent University)

2021.10 Yu-Qing Xie (EPFL-EDBB)

2020.08 Markus Schuster (EPFL-EDMX)

2020.01 Sandra Hocevar (University of Geneva)

2019.10 François Rivest (EPFL-EDBB)

2018.03 Inès Mottas (PhD in Pharmaceutical Sciences, Ecole de Pharmacie Genève-Lausanne (EPGL), University of Geneva)

2017.07 Maxime Ayer (EPFL-EDMX)

Internal service

2021- Study advisor and teaching commission of the Institute of Materials

2021- *Ad hoc* search committee for two faculty positions in Cancer research

2020- EPFL Flow Cytometry Core Facility Steering committee

2019- *Ad hoc* search committee for a faculty position in Translational Cancer Engineering

2019- Committee of EPFL Initiative for Cancer Science and Engineering (EICSE)

2018- Committee of Bioengineering Colloquia and EPFL BioE Talks

Teaching

Lecturer

2022 Spring BIO-603(TL) Lab Practical Course for doctoral students - Tang Lab, EPFL

2022 Spring BIOENG-460 Biomaterials and Tissue Engineering, EPFL

2022 Spring BIOENG-399 Immunoengineering, EPFL

2021 Fall BIO-467 Scientific literature analysis in Bioengineering, EPFL

2020 Spring BIO-603(TL) Lab Practical Course for doctoral students - Tang Lab, EPFL

2020 Spring BIOENG-449 Tissue Engineering, EPFL

2020 Spring BIOENG-399 Immunoengineering, EPFL

2019 Fall BIO-467 Scientific literature analysis in Bioengineering, EPFL

2019 Spring BIOENG-449 Tissue Engineering, EPFL

2019 Spring BIOENG-399 Immunoengineering, EPFL

2018 Fall BIO-467 Scientific literature analysis in Bioengineering, EPFL

2018 Spring BIOENG-399 Immunoengineering, EPFL (**new course**)

2017 Fall BIO-467 Scientific literature analysis in Bioengineering, EPFL

2016 Fall BIO-467 Scientific literature analysis in Bioengineering, EPFL

Guest Lecturer

2021 Fall BIOENG-430_Selected Topics in the life sciences, EPFL

2019 Fall Summer course in Immunology, UNIL

2018 Fall BIOENG-315_Materials science for bioengineers, EPFL

2018 Spring BIOENG-442 Biomaterials, EPFL

2017 Fall BIO-479 Immunology, EPFL

2017 Spring BIOENG-442 Biomaterials, EPFL

2017 Fall MSE-471 Biomaterials, EPFL

2016 Fall MSE-471 Biomaterials, EPFL

Grant Reviewer

2022.08 Science Forefront Grant in Health and Medicine, Israeli Ministry of Innovation, Science and Technology

2021.09 Swiss Cancer League Grant

2020.09 Swiss Cancer League Grant

2020.03 Swiss Cancer League Grant

2019 Dutch Research Council (NWO), Domain Applied and Engineering Sciences (AES), The Netherlands

2019 Postdoctoral fellowship application of Research Foundation Flanders (FWO)

2019 Programme Translational Research, The Netherlands Organisation for Health Research and Development (ZonMw)

2018 Excellence Research Foundation Flanders (FWO)-New research project proposal, Belgium

2018 Excellence Research Foundation Flanders (FWO)-Bilateral Scientific Cooperation, Belgium

2017 European Research Council (ERC): Remote Referee for ERC Consolidator Grant

2017 Swiss Cancer League Grant

2017 Excellence Initiative for the site Bourgogne Franche-Comté deployed by the Université Bourgogne Franche-Comté (UBFC), France.

Journal Reviewer (>50 journals)

Nature Biotechnology, Nature Nanotechnology, Nature Biomedical Engineering, Nature Communications, Science Translational Medicine, Science Advance, ACS Central Science, Journal of the American Chemical Society, Angewandte Chemie International Edition, ACS Nano, Nano Letters, Nano Today, Materials Today, Advanced Science, Advanced Materials, Advanced Functional Materials, Advanced Healthcare Materials, Advanced Therapeutics, Small, ChemMedChem, Chemical Communications, Accounts of Chemical Research, Biomacromolecules, Bioconjugate Chemistry, ACS Biomaterials Science & Engineering, Molecular Pharmaceutics, Langmuir, ACS Applied Materials & Interfaces, Chemical Science, Journal of Materials Chemistry B, Integrative Biology, Nanoscale, Polymer Chemistry, Polymer, Biomaterials, Biomaterials Science, Journal of Controlled Release, Colloids and Surfaces B: Biointerfaces, Journal of Biomaterials Applications, Scientific Reports, RSC Advances, MRS Advance, Theranostics, Nano Research, Journal of Immunology, Frontiers in Immunology, Coordination Chemistry Reviews, Advanced Drug Delivery Reviews, National Science Review, Clinical and Translational Medicine, Signal Transduction and Targeted Therapy, WIREs Nanomedicine & Nanobiotechnology, Molecular Therapy, Trends in Biochemical Sciences, Journal of Experimental & Clinical Cancer Research

Editorial Board

2023.1- Member of the Editorial Board, *Cellular & Molecular Immunology* (IF= 22.096)

2021.6- Young Star Editor, *Nano Research* (IF=8.183)

2021.2- Member of the Editorial Board, *Current Opinion in Biotechnology* (IF=8.460)

2021.2- Review Editor on the Editorial Board of System Immunology, *Frontiers in Immunology* (IF=6.429)

2019- Guest Editorial, *Current Opinion in Biotechnology* (IF=8.460), a themed issue “Tissue, Cell and Pathway Engineering 2020”.

2019- Guest Editorial, *Frontiers in Immunology* (IF=6.429), a themed issue “Employing Biomaterials to Further Basic Understanding of Immunobiology”.

2019.4- Editorial Board Member, *Journal of Nanobiotechnology* (IF=5.803)

2018.12- Associate Editor, *Immuno-Oncology &Technology*, European Society for Medical Oncology (ESMO)

Conference Organizer

2021.11 Panelist, Organoids in Cancer Research workshop, Lausanne, Switzerland

2020.09 Panelist, CAR-T Cell Therapies: Challenges and Opportunities. Convergence in Oncology Summit, Lausanne, Switzerland.

2020.2 Chair, 1st Conference of EPFL Initiative in Cancer Science & Engineering (EICSE), Lausanne, Switzerland.

2019.10 Session chair, Dendritic Cells Immunotherapy & Next Generation Vaccines days 2019, Miltenyi Biotec GmbH, Bergisch Gladbach, Germany.

2018.10 Session chair, "Drug Delivering Biomaterials", 2018 BMES Annual Meeting, Atlanta, GA, USA.

2017.4 Session chair, symposium entitled "Biomaterials for Immunotherapy", the 253rd American Chemical Society (ACS) National Meeting & Exposition in San Francisco, CA, USA

2017.3 Session chair, Joint Research Symposium of EPFL and Tokyo Medical and Dental University (TMDU) on Biomaterials & Bioelectronics, Lausanne, Switzerland

2016.12 Session chair, Joint Symposium of EPFL and University of Tokyo on Frontiers in NanoBioEngineering and Medicine, Lausanne, Switzerland.

2012.4 Session chair, "Nano Biomaterials for Drug Delivery and Sensing Applications" at Cancer Community at Illinois Symposium, UIUC, Urbana, IL, USA

Professional Memberships

2017- Member, European Academy of Tumour Immunology (EATI)

2017- Member, Swiss Society for Biomaterials and Regenerative Medicine (SSB+RM)

2017- Member, The Association for Cancer Immunotherapy (CIMT)

2015- Member, Society for Immunotherapy of Cancer (SITC)

2014- Member, Biomedical Engineering Society (BMES)

2014- Member, American Association for Cancer Research (AACR)

2014- Member, Materials Research Society (MRS)

2009- Member, American Chemical Society (ACS)