

Stamatiades, Efsthios, PhD (B05)

Personal Data

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| Title | Dr. |
| First name | Efstathios |
| Name | Stamatiades |
| Current position | Principal Investigator |
| Current institution(s)/site(s), country | Institute of Microbiology, Infectious Diseases and Immunology (I-MIDI), Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin (CBF), Hindenburgdamm 30, 12203 Berlin, Germany |
| Identifiers/ORCID | ORCID-ID: 0000-0002-2785-9005 |

Qualifications and Career

| Stages | Periods and Details |
|--|---|
| Degree programme: Immunology, | 2006 – 2019, University of Edinburgh, Edinburgh, UK |
| Doctorate: PhD thesis | 01.03.2015: Supervisor: Frederic Geissmann, “ <i>In vivo analysis of monocyte and macrophage functions in the kidney</i> ”, Immunology, King’s College London, London, UK |
| Biomedical Sciences | 2009 – 2010: Master of Sciences (MSc), University of Glasgow, Glasgow, UK |
| Stages of academic / professional career | |
| Since 2019 | Group leader, Institute of Microbiology, Infectious Diseases and Immunology, Charité – Universitätsmedizin Berlin, Germany |
| 2015 – 2019 | Postdoctoral Fellow, Department of Immunology, Memorial Sloan Kettering Cancer Centre, NY, USA |

Engagement in the Research System

- Member of the German Society of Immunology (since 2021)
- Guest Associate Editor, *Frontiers in Cell and Developmental Biology* (2019 – 2021)

Scientific Results

Category A, * contributed equally, # open access

1. He A, Sarwar A, Thole LML, Siegle J, Sattler A, Ashraf MI, Proß V, Stahl C, Dornieden T, Bergmann Y, Ritschl PV, Ebner S, Hublitz KW, **Stamatiades EG**, Bülow RD, Boor P, Kotsch K. Renal inflamm-aging provokes intra-graft inflammation following experimental kidney transplantation. **Am J Transplant** 2022; 22(11):2529-2547. doi: 10.1111/ajt.17154. #
2. Kansler ER, Dadi S, Krishna C, Nixon BG, **Stamatiades EG**, Liu M, Kuo F, Zhang J, Zhang X, Capistrano K, Blum KA, Weiss K, Kedl RM, Cui G, Ikuta K, Chan TA, Leslie CS, Hakimi AA, Li MO (). Cytotoxic innate lymphoid cells sense cancer cell-expressed interleukin-15

- to suppress human and murine malignancies. **Nat Immunol** 2022; 23(6):904-915. doi: 10.1038/s41590-022-01213-2. #
3. Chou C, Zhang X, Krishna C, Nixon BG, Dadi S, Capistrano KJ, Kansler ER, Steele M, Han J, Shyu A, Zhang J, **Stamatiades EG**, Liu M, Li S, Do MH, Edwards C, Kang DS, Chen CT, Wei IH, Pappou EP, Weiser MR, Garcia-Aguilar J, Smith JJ, Leslie CS, Li MO. Programme of self-reactive innate-like T cell-mediated cancer immunity. **Nature** 2022; 605(7908):139-145. doi: 10.1038/s41586-022-04632-1. #
 4. Xu K, Yin N, Peng M, **Stamatiades EG**, Chhangawala S, Shyu A, Li P, Zhang X, Do MH, Capistrano KJ, Chou C, Leslie CS, Li MO. Glycolytic ATP fuels phosphoinositide 3-kinase signaling to support effector T helper 17 cell responses. **Immunity** 2021; 54(5):976-987. doi: 10.1016/j.immuni.2021.04.008. #
 5. Xu K, Yin N, Peng M, **Stamatiades EG**, Shyu A, Li P, Zhang X, Do MH, Wang Z, Capistrano KJ, Chou C, Levine AG, Rudensky AY, Li MO. Glycolysis fuels phosphoinositide 3-kinase signaling to bolster T cell immunity. **Science** 2021; 371(6527):405-410. doi: 10.1126/science.abb2683. #
 6. Liu M, Kuo F, Capistrano KJ, Kang D, Nixon BG, Shi W, Chou C, Do MH, **Stamatiades EG**, Gao S, Li S, Chen Y, Hsieh JJ, Hakimi AA, Taniuchi I, Chan TA, Li MO. TGF- β suppresses type 2 immunity to cancer. **Nature** 2020; 587(7832):115-120. doi: 10.1038/s41586-020-2836-1. #
 7. Li S, Liu M, Do MH, Chou C, **Stamatiades EG**, Nixon BG, Shi W, Zhang X, Li P, Gao S, Capistrano KJ, Xu H, Cheung NV, Li MO. Cancer immunotherapy via targeted TGF- β signalling blockade in T_H cells. **Nature** 2020; 587(7832):121-125. doi: 10.1038/s41586-020-2850-3. #
 8. Berrien-Elliott MM, Sun Y, Neal C, Ireland A, Trissal MC, Sullivan RP, Wagner JA, Leong JW, Wong P, Mah-Som AY, Wong TN, Schappe T, Keppel CR, Cortez VS, **Stamatiades EG**, Li MO, Colonna M, Link DC, French AR, Cooper MA, Wang WL, Boldin MP, Reddy P, Fehniger TA. MicroRNA-142 Is Critical for the Homeostasis and Function of Type 1 Innate Lymphoid Cells. **Immunity** 2019; 51(3):479-490. doi: 10.1016/j.immuni.2019.06.016. #
 9. **Stamatiades EG**, Tremblay ME, Bohm M, Crozet L, Bisht K, Kao D, Coelho C, Fan Xi, Yewdell WT, Davidson A, Heeger PS, Diebold S, Nimmerjahn F, Geissmann F. Immune Monitoring Of Trans-Endothelial Transport By Kidney Resident Macrophages. **Cell** 2016; 166(4):991-1003. doi: 10.1016/j.cell.2016.06.058. #
 10. CarlinLM*, **Stamatiades EG***, Auffray C, Hanna RN, Glover L, Vizcay-Barrena G, Hedrick CC, Cook HT, Diebold S, Geissmann F (). Nr4a1-Dependent Ly6C^{low} Monocytes Monitor Endothelial Cells and Orchestrate Their Disposal. **Cell** 2013; 153(2): 362-75. doi: 10.1016/j.cell.2013.03.010. #

Academic Distinctions

- Metastasis and Tumor Ecosystems Center (MTEC) Postdoctoral Fellowship, Memorial Sloan Kettering Cancer Centre, NY, USA (2017 – 2019)
- British Society of Immunology travel bursary, Milan, Italy (2013)
- Poster award at King's College London (KCL) Graduate Showcase, London, UK (2011)
- PhD Fellowship (Oliver Bird Rheumatism Programme), London, UK (2010)

- General Society of Microbiology undergraduate summer studentship, Edinburgh, UK (2008)

Collaborators

| No. | Collaboration partners | Location/Institution |
|-----|-----------------------------|---|
| 1 | Katja Kotsch | Berlin, Germany, Charité – Universitätsmedizin Berlin |
| 2 | Mark Gresnigt | Jena, Germany, Leibniz Institute for Natural Product Research and Infection Biology |
| 3 | Bernhard Hube | Jena, Germany, Leibniz Institute for Natural Product Research and Infection Biology |
| 4 | Andrey Kruglov | Berlin, Germany, German Rheumatism Research Centre |
| 5 | Antigoni Tryantafyllopoulou | Berlin, Germany, German Rheumatism Research Centre |

Fields of Research

| No. | Fields of research |
|-----|--------------------|
| 1 | 204-05 Immunology |