

Curriculum Vitae

Theodore S. Kapellos Dr.

d.o.b. January 08th, 1988, in Athens, Greece

University Education

2012-2017 Doctorate Pathology, University of Oxford
2010-2011 Master studies of Immunology, Imperial College London
2005-2010 Bachelor studies of Biology, Aristotle University of Thessaloniki, Greece

Scientific Career

Since 2024 Group leader, Ludwig-Maximilians-University of Munich, Germany
Since 2022 Principal Investigator at the German Center for Lung Research, Germany
Since 2022 Group leader, Helmholtz Munich, Germany
2021-2022 Senior scientist, Helmholtz Munich, Germany
2017-2021 Postdoctoral scientist, University of Bonn, Germany
2011-2012 Research assistant, Biomedical Research Foundation of the Academy of Athens, Greece
2010 Intern, Evangelismos Public Hospital of Athens, Greece

Awards and Honors

2025 Recognition of Early Academic Achievement Award (REAAch)
2023 European Respiratory Society short-term fellowship
2022 Geoffrey Laurent annual award
2019 University of Bonn Excellence Cluster blog support
2017 Full Fellow of the Higher Education Academy UK
2015 Associate Fellow of the Higher Education Academy UK

Citation Record

Total citations: 5,652; h-index:22; h-index since 2021: 20 (Google Scholar March 3rd, 2026)

Top-10 selected Publications

Kapellos TS, Conlon TM, Yildirim AÖ, Lehmann M. (2023). The impact of the immune system on lung injury and regeneration in COPD. *European Respiratory Journal*. 62 (4): 2300589

Sikkema L, Ramírez-Suástegui C, Strobl DC, Gillett TE, Zappia L, Madisson E, Markov NS, Zaragosi LE, Ji Y, Ansari M, Arguel MJ, Apperloo L, Banchemo M, Bécavin C, Berg M, Chichelnitskiy E, Chung MI, Collin A, Gay ACA, ..., **Kapellos TS**, ... and Theis FJ. (2023). An integrated cell atlas of the lung in health and disease. *Nature Medicine*. 29 (6): 1563-1577

Kapellos TS, Baßler K, Fujii W, Nalkurthi C, Schaar AC, Bonaguro L, Pecht T, Galvao I, Agrawal S, Saglam A, Dudkin E, Frishberg A, de Domenico E, Horne A, Donovan C, Kim RY, Gallego-Ortega D, ..., and Schultze JL. (2023). Systemic alterations in neutrophils and their precursors in early-stage chronic obstructive pulmonary disease. *Cell Reports*. 42 (6): 112525

Baßler K, Fujii W, **Kapellos TS**, Dudkin E, Reusch N, Horne A, Reiz B, Luecken MD, Osei-Sarpong C, Warnat-Herresthal S, Bonaguro L, Schulte-Schrepping J, Wagner, A, Guenther P, Pizarro C, Schreiber T, Knoll R, Holsten L, Kroeger Charlotte, ..., and Schultze JL. (2022). Alveolar macrophages in early-stage COPD show functional deviations with properties of impaired immune activation. *Frontiers in Immunology*. 13: 917232

Fujii W, **Kapellos TS**, Baßler K, Ulas T, Händler K, Holsten L, Hinkley E, Pizarro C, Thiele C, Aschenbrenner AC, Skowasch D and Schultze JL. (2021). Alveolar macrophage transcriptomic profiling in COPD shows major lipid metabolism changes. *European Respiratory Journal Open Research*. 7 (3)

Schulte-Schrepping J, Reusch N, Paclik D, Baßler K, Schlickeiser S, Zhang B, Krämer B, Krammer T, Brumhard S, Bonaguro L, De Domenico E, Wendisch D, Grasshoff M, **Kapellos TS**, Beckstette M, Pecht T, Saglam A, Dietrich O, Mei HE, ..., and the Deutsche COVID-19 OMICS Initiative (DeCOI). (2020). Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. *Cell*. 182 (6): 1419-1440

Aschenbrenner AC, Mouktaroudi M, Krämer B, Antonakos N, Oestreich M, Gkizeli K, Nuesch-Germano M, Saridaki M, Bonaguro L, Reusch N, Baßler K, Doulou S, Knoll R, Pecht T, **Kapellos TS**, Rovina N, Kröger C, Herbert M, Holsten L, ..., and the German COVID-19 Omics Initiative (DeCOI). (2021). Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. *Genome Medicine*. 13 (1): 7

Tuit S, Salvagno C, **Kapellos TS**, Hau CS, Seep L, Oestreich M, Klee K, de Visser KE, Ulas T and Schultze JL. (2019). Transcriptional Signature Derived from Murine Tumor-Associated Macrophages Correlates with Poor Outcome in Breast Cancer Patients. *Cell Reports*. 29 (5): 1221-1235

Kapellos TS, Taylor L, Feuerborn A, Valaris S, Hussain MT, Rainger E, Greaves DR and Iqbal AJ. (2019). Cannabinoid receptor 2 deficiency exacerbates inflammation and neutrophil recruitment. *FASEB Journal*. 33 (5): 6154-6167

Iqbal AJ, McNeill E, **Kapellos TS**, Regan-Komito D, Norman S, Burd S, Smart N, Machermer DE, Stylianou E, McShane H, Channon KM, Chawla A and Greaves DR. (2014). Human CD68 promoter directs GFP transgene expression in mouse myeloid cells, allowing analysis of monocyte to macrophage differentiation in vivo. *Blood*. 124 (15): e33-44