Curriculum Vitae

Bastian Sabel Prof. Dr. med.
d.o.b. Mai 11th, 1984, in Stuttgart, Germany

University Education

2025	Adjunct Professor, Ludwig Maximilian University of Munich (LMU)
2021	Habilitation in Radiology, Ludwig Maximilian University of Munich (LMU)
2019	Doctorate Medicine, University of Rostock
2010–2012	Studies in Human Medicine, Ludwig Maximilian University of Munich (LMU)
2005–2010	Studies in Human Medicine, University of Rostock

Scientific and Clinical Career

Since 2025	Head of Radiology, Asklepios Lung Clinic Munich-Gauting
Since 2025	Attending and Head of Thoracic Imaging, Dept. of Radiology, LMU
Since 2025	Principal Investigator at DZL
2020 –2025	Head of Personnel Development, Dept. of Radiology, LMU
Since 2019	Attending, Dept. of Radiology, LMU
2018 –2025	Head of Computed Tomography, Dept. of Radiology, LMU
Since 2018	Clinical Co-Leader, Clinical Data Science Working Group, Dept. of Radiology, LMU
Since 2016	Working Group Leader, High Intensity Focused Ultrasound Therapy (HIFU), LMU
2013–2018	Research Associate and Resident, Dept. of Radiology, LMU University Hospital
2011	Research Fellow, Harvard Medical School / Massachusetts General Hospital (Martinos Center for Biomedical Imaging / High-Resolution VCT Lab)
2010	Research Fellow, German Cancer Research Center (DKFZ), Heidelberg (Dept. of Physics in Radiology)

Awards and Honors

2012	Scholarship “Hellste Köpfe” of the German Radiological Society
2010	Session Winner Award (2nd place), Anesthesiology, ESC 2010
2010 – 2012	DAAD scholarship as part of the BMEP-Academic Year Program

Top-10 selected Publications

Hoppe, B. F., Rueckel, J., Rudolph, J., Fink, N., Weidert, S., Hohlbein, W., Cavalcanti-Kußmaul, A., Trappmann, L., Munawwar, B., Ricke, J., & **Sabel, B. O.** (2025). Automated spinopelvic measurements on radiographs with artificial intelligence: a multi-reader study. La Radiologia medica, 130(3), 359–367. https://doi.org/10.1007/s11547-025-01957-5

Fink N, Sperl JI, Rueckel J, Stüber T, Goller SS, Rudolph J, Escher F, Aschauer T, Hoppe BF, Ricke J**, Sabel BO.** Artificial intelligence-based automated matching of pulmonary nodules on follow-up chest CT. Eur Radiol Exp. 2025 May 2;9(1):48. doi: 10.1186/s41747-025-00579-w. PMID: 40316834; PMCID: PMC12048373.

Rudolph, J., Huemmer, C., Preuhs, A., Buizza, G., Hoppe, B. F., Dinkel, J., Koliogiannis, V., Fink, N., Goller, S. S., Schwarze, V., Mansour, N., Schmidt, V. F., Fischer, M., Jörgens, M., Ben Khaled, N., Liebig, T., Ricke, J., Rueckel, J., & **Sabel, B. O.** (2024). Nonradiology Health Care Professionals Significantly Benefit From AI Assistance in Emergency-Related Chest Radiography Interpretation. Chest, 166(1), 157–170. doi:10.1016/j.chest.2024.01.039

Wesp, P., Schachtner, B. M., Jeblick, K., Topalis, J., Weber, M., Fischer, F., Penning, R., Ricke, J., Ingrisch, M., & **Sabel, B. O.** (2024). Radiological age assessment based on clavicle ossification in CT: enhanced accuracy through deep learning. International journal of legal medicine, 138(4), 1497–1507. https://doi.org/10.1007/s00414-024-03167-6

Hoppe, B. F., Rueckel, J., Dikhtyar, Y., Heimer, M., Fink, N., **Sabel, B. O.,** Ricke, J., Rudolph, J., & Cyran, C. C. (2024). Implementing Artificial Intelligence for Emergency Radiology Impacts Physicians' Knowledge and Perception: A Prospective Pre- and Post-Analysis. Investigative radiology, 59(5), 404–412. https://doi.org/10.1097/RLI.0000000000001034

Homayounieh, F., Digumarthy, S., Ebrahimian, S., Rueckel, J., Hoppe, B. F., **Sabel, B. O**., Conjeti, S., Ridder, K., Sistermanns, M., Wang, L., Preuhs, A., Ghesu, F., Mansoor, A., Moghbel, M., Botwin, A., Singh, R., Cartmell, S., Patti, J., Huemmer, C., Fieselmann, A., … Kalra, M. (2021). An Artificial Intelligence-Based Chest X-ray Model on Human Nodule Detection Accuracy From a Multicenter Study. JAMA network open, 4(12), e2141096. doi.org/10.1001/jamanetworkopen.2021.41096

Rueckel, J., Huemmer, C., Shahidi, C., Buizza, G., Hoppe, B. F., Liebig, T., Ricke, J., Rudolph, J., **Sabel, B. O.** (2024). Artificial Intelligence to Assess Tracheal Tubes and Central Venous Catheters in Chest Radiographs Using an Algorithmic Approach With Adjustable Positioning Definitions. Investigative radiology, 59(4), 306–313.

Rueckel, J., Huemmer, C., Fieselmann, A., Ghesu, F. C., Mansoor, A., Schachtner, B., Wesp, P., Trappmann, L., Munawwar, B., Ricke, J., Ingrisch, M., & **Sabel, B. O.** (2021). Pneumothorax detection in chest radiographs: optimizing artificial intelligence system for accuracy and confounding bias reduction using in-image annotations in algorithm training. European radiology, 31(10), 7888–7900. doi.org/10.1007/s00330-021-07833-w

Rueckel J, Trappmann L, Schachtner B, Wesp P, Hoppe BF, Fink N, Ricke J, Dinkel J, Ingrisch M, **Sabel BO.** Impact of Confounding Thoracic Tubes and Pleural Dehiscence Extent on Artificial Intelligence Pneumothorax Detection in Chest Radiographs. Invest Radiol. 2020 Dec;55(12):792-798. doi: 10.1097/RLI.0000000000000707. PMID: 32694453.

Rueckel J, Kunz WG, Hoppe BF, Patzig M, Notohamiprodjo M, Meinel FG, Cyran CC, Ingrisch M, Ricke J, **Sabel BO.** Artificial Intelligence Algorithm Detecting Lung Infection in Supine Chest Radiographs of Critically Ill Patients With a Diagnostic Accuracy Similar to Board-Certified Radiologists. Crit Care Med. 2020 Jul;48(7):e574-e583. doi:10.1097/CCM.0000000000004397. PMID: 32433121.