

**Prof. em. Hans Joachim Freisleben**

Biomedical Pharmacology and Drug Development, Past Head of Medical Research Unit, Faculty of Medicine, Universitas Indonesia, Jakarta

**Expertise:** Mitochondrial energy turnover, hypoxia, ischemia and reperfusion injury, reactive oxygen species and antioxidants, iron overload and oxidative stress in  $\beta$ -thalassemia, iron chelators, archaebacteria, archaeal tetraether lipids and liposomal therapeutic systems.

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Dr.rer.med.Dr.habil. Hans Joachim Freisleben, MPharm, Professor of Biomedical Pharmacology

Prof. Freisleben has a pharmaceutical and medical background from Goethe-University in Frankfurt am Main (Germany) holding a Master of Pharmacy (MPharm) and a Doctor of Medical Science (Dr.rer.med.) majoring Biochemical Pharmacology, Medical Microbiology and Laboratory Medicine. After his Postdoc at the University of Berkeley (CA, USA) and his German "Habilitation" with a Dr. habil. in Physiological Chemistry he was appointed Assistant Professor (Priv.-Doz.) as Head of the Laboratory of Microbiological Chemistry at Frankfurt University (1988-1993) with focus on the growth of *Thermoplasma acidophilum* and liposome technology with archaeal tetraether lipid. In 1993, he took over a Human Capital and Mobility Project of the European Community on "iron overload and oxidative stress in thalassemia" at the University Hospital of Patras (Greece) and the University of Palermo (Italy) followed by a Guest Professorship at the University of Graz (Austria) on the physicochemical characterization of tetraether lipid. In 1994, Prof. Freisleben assigned as Subject Matter Consultant (Medicine/Medical Microbiology) to the Six Universities Development and Rehabilitation (SUDR) Project in Indonesia and was appointed Professor of Biomedical Pharmacology at the Medical Faculty of Universitas Indonesia in 1998. From 1999 until 2001, he was a visiting Professor to the University of Sydney (Australia) with a cooperation project on thalassemia patients from Jakarta (Indonesia). He returned to Germany and was elected President of the German-Indonesian Medical Association, German Section (DIGM e.V.). In 2009, Prof. Freisleben returned to the Universitas Indonesia as Head of the Medical Research Unit. From 2015, he has been Professor emeritus, still supervising doctoral students as Guest Professor to his Indonesian University. Prof. Freisleben authored and co-authored more than 150 scientific articles in peer-reviewed journals and books and contributed to about 200 scientific congresses around the globe. He is a co-founder of the Indonesian Societies of Toxicology and of Free Radical Research, a member of several international professional associations and an often-awarded reviewer and a member of the Editorial Board of several scientific journals. He was also awarded by various universities and frequently as an invited speaker in international congresses. In 2017, he edited one of his most comprehensive books "Sie kamen als Forscher und Ärzte - 500 Jahre deutsch-indonesische Medizingeschichte" published by Köppel-Verlag Köln, Germany, ISBN 978-3-89645-228-3. During the Covid-19 pandemic, he was appointed consultant to the public health office in his German home district managing the vaccination campaign.

Prof. Dr. rer. med. Dr. habil. Hans-Joachim Freisleben

## List of publications

### PEER-REVIEWED ARTICLES

Freisleben HJ. Reducing The Risks of Nuclear War—The Role of Health Professionals. *MedJ Indones* [Internet]. 2023 Sep;6;1(1). Available From: <https://mji.ui.ac.id/journal/index.php/mji/article/view/7162>

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*Microbiol.* Published Online 14 November 2022. Doi: 10.22207/Jpm.16.4.42

Hendarto H., Freisleben H.J., Akbar F.N., Adhyanto C. (2022) One Year of Experience With European Union Approved Public Covid-19 Vaccination in Germany (Review Article) *Mal JMed Health Sci* 18(Supp16):107-113.

Louisa M., Hawa P., Purwantyastuti, Mardiyati E., Freisleben H.J. (2022) Primaquine- chitosan Nanoparticle Improves Drug Delivery to Liver Tissue in Rats. *Open Access Maced.J. Med. Sci. (OAMJMS)* **10(A)**,1278-1284. <https://doi.org/10.3889/oamjms.2022.10005>

Adhyianto C., Rahmawati N.M., Saibi Y., Nasir N.M., Hendarto H., Sari F.R., Harriyati Z., Ekayanti F., Schnitzler P., Freisleben H.J. (2021) Identification of the Archaeon *Picrophilustorridus* isolated and cultured from Tangkuban Perahu and Dieng Plateau on Java Island, Indonesia. *Eco. Env. & Cons.* **27(3)**, 235-244.

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Purwaningsih E.H., Oertl A., Freisleben S.K.U., Freisleben H.J. (2021) How Can Immunosuppression after Organ Transplantation be made more Effective and Safer? – A Review on Liposomal Formulations with Consideration of Archaeal Tetraetherlipid. *Biomed.Pharmacol. J.* **14(1)**, 33-52. <https://dx.doi.org/10.13005/bpj/2097>

Freisleben H.J., Widjaja F.F., Habibzadeh F. (2021) Editorial. The challenges of a small medical journal to have an international recognition in Indonesia: points of view of editors. *Med. J. Indones.* **30(1)**, 1-4. <https://doi.org/10.13181/mji.ed.215313>

Amalia H., Estuningtyas A., Ridwan R., Sitompul R., Adawiyah R., Freisleben H.J. (2020) Pharmacokinetic and Toxicological Studies of Liposomal Amphotericin B Eye Drops on the Rabbit Eye. *Int. J. Pharm. Res.* **12(4)**, 1828-1834.

Suryandari D.A., Midoen Y.H., Asih S.M., Soeharso P., Freisleben H.J. (2020) Latent Membrane Protein 1 Gene of Epstein-Barr Virus: 30-Base-Pair Deletion in Indonesian Nasopharyngeal Carcinoma Patients. *J. Global Pharma Technol. (IGPT)* **12(2)** Suppl., 872-880

Freisleben H.J. (2019) The Main (Glyco) Phospholipid (MPL) of *Thermoplasma acidophilum*. *Int. J. Mol. Sci.* **20(20)**, 5217. DOI: [10.3390/ijms20205217](https://doi.org/10.3390/ijms20205217)

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Wimardani Y., Suniarti D.F., Freisleben H.J., Wanandi S.I., Siregar N., Ikeda M.A. (2014) Chitosan exerts anticancer activity through induction of apoptosis and cell cycle arrest in oral cancer cells. *J. Oral Sci.* **56(2)**:119-26. DOI: [10.2334/josnusd.56.119](http://dx.doi.org/10.2334/josnusd.56.119)

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## Older Publications

Freisleben H.J., Hidayat J., Handayani S., Udyaningsih-Freisleben S.K., Kurniati V., Adhiyanto C., Laksmitawati D.R., Kusnandar S., Dillon H.S.D., Munthe B.G., Wirawan R., Soegianto R.R., Ramelan W. (2005) Blood lipids and oxidative stress in  $\beta$ -thalassemia patients in Jakarta, *DIGM Medical Journal II/1*, 11-16.

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