

Prof. Dr. med. Bernhard Rauch

Specialist of internal medicine, cardiology, angiology, rehabilitation and social medicine

List of publications until 2022

Original scientific publications including meta - analyses:

- 1) **B. Rauch**, D. v. Chak, and W. Hasselbach: Phosphorylation by inorganic phosphate of sarcoplasmic membranes. Z. Naturforschung C Biosci 1977; 32(9-10): 828-834
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- 3) **B. Rauch**, D. v. Chak, and W. Hasselbach: An estimate of the kinetics of calcium binding and dissociation of the sarcoplasmic reticulum transport ATPase. FEBS Letters 1978; 93(1): 65-68
- 4) W. Hasselbach, E. Fassold, A. Migala, and **B. Rauch**: Magnesium dependence of sarcoplasmic reticulum calcium transport. Federation Proceedings 1981; 40 (12): 2657-2661
- 5) W. Mäurer, **B. Rauch**, F. Schwarz, H. C. Mehmel, J. Senges, and W. Kübler: „Direct contrast medium demonstration of acute and chronic pericardial effusion and of the pericardium“, Direkte Kontrastmitteldarstellung akuter und chronischer Perikardergüsse sowie des Herzbeutels. Dtsch. Med. Wschr. 1981; 106: 1571-1575
- 6) Lüdi H, **Rauch B**, and Hasselbach W: The influence of detergents on the Ca²⁺-and Mg²⁺-dependent adenosine triphosphatase of the sarcoplasmic reticulum. Z. Naturforschung 1981: 37c: 299-307
- 7) Schuler G, Schwarz F, Hofmann M, Mehmel HC, Manthey J, Mäurer W, **Rauch B**, Herrmann HJ, Kübler W: Thrombolysis in acute myocardial infarction using intracoronary streptokinase: assessment by thallium-201 scintigraphy. Circulation 1982; 66: 658-657
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- 12) **Rauch B**, Colvin RA, Katz AM, and Messineo FC: Effect of exogenous phospholipase A₂ treatment on cardiac muscarinic receptors of highly purified canine sarcolemmal vesicles. J Mol Cell Cardiol. 1987; 19: 569-580

- 13) Gerry R, **Rauch B**, Colvin RA, Adler PN, and Messineo FC: Verapamil interaction with the muscarinic receptor: stereoselectivity at two sites. *Biochem. Pharmacol.* 1987; 36(18): 2951-2956
- 14) Martens D, Lohse MJ, **Rauch B**, and Schwabe U: Pharmacological characterization of A₁ receptors in isolated rat ventricular myocytes. *Naunyn-Schmiedeberg's Arch.Pharmacol.* 1987; 336: 342-348, 1987
- 15) Zimmermann R, Tillmanns H, Knapp WH, Helus F, Georgie P, **Rauch B**, Neumann FJ, Girgensohn S, Maier-Borst W, Kübler W: Regional myocardial N-13 glutamate uptake in patients with single-vessel coronary artery disease: inverse post stress relation to thallium-201 uptake in ischemia. *J. Am. Coll. Cardiol.* 1988; 11(3), 549-556
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- 27) Niroomand F, Bangert M, Philips C, **Rauch B**: Muscarinic receptor-mediated inhibition of GDP-activated adenylyl cyclase suggests a direct interaction of inhibitory guanine nucleotide-binding proteins and adenylyl cyclase. *Molecular Pharmacology* 1993; 43: 90-95
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- 31) **Rauch B**, Niroomand F, Messineo FC, Weis A, Kübler W, Hasselbach W: Effect of phospholipid hydrolysis by phospholipase A2 on the kinetics of antagonist binding to cardiac muscarinic receptors. *Biochem. Pharmacol.* 1994; 48: 1289-1296
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Reviews, overviews

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