

# Rüdiger Schmitt

- Complete list of publications -

## Original papers

1. **Rüdiger Schmitt** (1963). Darstellung diangulär substituierter Perhydrobenzil-Derivate und einiger Folgeprodukte.  
PhD thesis, TU Braunschweig.
2. A. Wacker, R. Selzer, D. Pfahl & **R. Schmitt** (1964). Zum Mechanismus der p-Fluorphenylalanin-Resistenz bei Bakterien; zellfreie Synthese von Poly-p-fluorphenylalanin. *Zeitschrift für Naturforschung* 19b, 1083-1084.
3. **R. Schmitt** & B. Rotman (1966).  $\alpha$ -Galactosidase Activity in Cell-free Extracts of *Escherichia coli*.  
*Biochem. Biophys. Res. Comm.* 22, 473-479.
4. **R. Schmitt** (1968). Analysis of Melibiose Mutants Deficient in  $\alpha$ -Galactosidase and Thiomethylgalactoside Permease II *Escherichia coli* K-12.  
*J. Bacteriol* 96, 462-471.
5. **R. Schmitt** & E. Freese (1968). Curing of a Sporulation Mutant and Antibiotic Activity of *Bacillus subtilis*.  
*J. Bacteriol.* 96, 1255-1265.
6. F. Mayer & **R. Schmitt** (1971). Elektronenmikroskopische, diffraktometrische und discelectrophoretische Untersuchung an Fimbrien des sternbildenden Bodenbakteriums *Pseudomonas echinoides* und einer nichtsternbildenden Mutante.  
*Arch. Mikrobiol.* 79, 311-326.
7. F. Mayer, S. Kall & **R. Schmitt** (1974). Untersuchung der morphologischen Grundlagen für einen möglichen Übertragungsweg der DNA bei der Konjugation sternbildender Bakterien.  
*Ztschr. f. allgem. Mikrobiologie* 14, 221-228.
8. **R. Schmitt**, I. Raska & F. Mayer (1974). Plain and complex flagella of *Pseudomonas rhodos*: Analysis of fine structure and composition.  
*J. Bacteriol.* 117, 844-857.
9. **R. Schmitt**, I. Bamberger, G. Acker & F. Mayer (1974). Feinstrukturanalyse der komplexen Geißeln von *Rhizobium lupini* H13-3.  
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10. G. Acker, **R. Schmitt** & F. Mayer (1975). Elektronenmikroskopische Untersuchung alternder Zellen von *Pseudomonas rhodos*: Feinstruktur nativer und isolierter tubulärer Membranen.  
Arch. Microbiol. 104, 215-233.
11. I. Raska, F. Mayer & **R. Schmitt** (1976). Structure of Plain and Complex Flagellar Hooks of *Pseudomonas rhodos*.  
J. Bacteriol. 125, 679-688.
12. K. Schmid & **R. Schmitt** (1976). Purification and properties of a new  $\alpha$ -galactosidase specified by a transmissible plasmid.  
Eur. J. Biochem. 67, 95-104.
13. W. Lotz, G. Acker & **R. Schmitt** (1977). Bacteriophage 7-7-1 adsorbs to the complex flagella of *Rhizobium lupini* H13-3.  
J. gen. Virol. 34, 9-17.
14. M. Maruyama, G. Lodderstaedt & **R. Schmitt** (1978). Purification and biochemical properties of complex flagella isolated from *Rhizobium lupini* H13-3.  
Biochim. Biophys. Acta 535, 110-124.
15. H.-J. Burkardt, R. Mattes, K. Schmid & **R. Schmitt** (1978). Properties of two conjugative plasmids mediating tetracycline resistance, raffinose catabolism and hydrogen sulfide production in *Escherichia coli*.  
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17. H. Kleinig, **R. Schmitt**, W. Meister, G. Englert & H. Thommen (1979). New C<sub>30</sub>-carotenoic acid glucosyl esters from *Pseudomonas rhodos*.  
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18. **R. Schmitt**, E. Bernhardt & R. Mattes (1979). Characterization of Tn1721, a new transposon containing tetracycline resistance genes capable of amplification.  
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28. J. Altenbuchner & **R. Schmitt** (1983). Transposon *Tn1721*: site-specific recombination generates deletions and inversions.  
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38. P. Rogowsky, S.E. Halford & **R. Schmitt** (1985). Definition on three resolvase binding sites at the *res* loci of Tn21 and Tn1721. EMBO J. 4, 2135-2141.
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42. D. Ubben & **R. Schmitt** (1987). A transposable promoter and transposable promoter probes derived from *Tn1721*.  
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45. K. Müller & **R. Schmitt** (1988). Histone genes in *Volvox carteri*: DNA sequence and organization of two H3-H4 gene loci.  
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46. W. Mages, J.M. Salbaum, J.F. Harper & **R. Schmitt** (1988). Organization and structure of *Volvox*  $\alpha$ -tubulin genes.  
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47. E. Pleier & **R. Schmitt** (1989). Identification and sequence analysis of two related flagellin genes in *Rhizobium meliloti*.  
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48. H. Rausch, N. Larsen & **R. Schmitt** (1989). Phylogenetic relationships of the green alga *Volvox carteri* deduced from small-subunit ribosomal RNA comparisons.  
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  106. S.E. Prochnik, J. Umen, A.M. Nedelcu, A. Hallmann, S.M. Miller, I. Nishii, P. Ferris, A. Kuo, T. Mitros, L.K. Fritz-Laylin, U. Hellsten, J. Chapman, O. Simakov, S.A. Rensing, A.

Terry, J. Pangilinan, V. Kapitonov, J. Jurka, A. Salamov, H. Shapiro, J. Schmutz, J. Grimwood, E. Lindquist, S. Lucas, I.V. Grigoriev, **R. Schmitt**, D. Kirk & D. S. Rokhsar  
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## Reviews and comments

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