

FEMS Microbiology Letters

Chief Editor

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MiniReviews Editors

Ian Henderson, Bacterial Pathogenesis and Genomics Unit, Division of Immunity and Infection, The Medical School, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK. Tel.: +44 (0)121 414 4368; fax: +44 (0)121 414 3599; e-mail: i.r.henderson@bham.ac.uk
Microbial pathogenesis; Gram-negative bacteria; Infection; Cellular microbiology; Autotransporter proteins; Protein secretion

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Bacterial membrane transport; Metal-resistance mechanisms; Gram-positive bacteria and pseudomonads; Molecular genetics and biochemistry

Derek Sullivan, Division of Oral Biosciences, Dublin Dental School and Hospital, Trinity College, Dublin 2, Ireland. Tel.: +353 1 612 7275; fax: +353 1 612 7295; e-mail: Derek.Sullivan@dental.tcd.ie

Analysis of molecular pathogenesis; Epidemiology of yeast pathogens; Candida; Virulence; Antifungal drug resistance

Editors and their specialist fields

BIOTECHNOLOGY

Sergio Casella, Dipartimento di Biotecnologie Agrarie, Agripolis, Università di Padova, Via dell'Università 16, 35020 Legnaro, Padova, Italy. Tel.: +39 049 827 2922; fax: +39 049 827 2929; e-mail: sergio.casella@unipd.it

Microbial physiology; Microbial biotechnology; Soil microbiology; Plant-bacteria interaction; Nitrogen metabolism

Wolfgang Kneifel, Department of Food Science and Technology, 'BOKU'-University of Natural Resources and Applied Life Sciences, Muthgasse 18, A-1190 Vienna, Austria. Tel.: +43 1 36006-6290; fax: +43 136006 6266; e-mail: wolfgang.kneifel@boku.ac.at

Food fermentation; Lactic acid bacteria; Microbiological quality criteria of foods; Bacterial strain safety and virulence; Product development and quality assessment of functional foods (pro- and prebiotics); Food safety (hygiene issues)

Diethard Mattanovich, Institut für Angewandte Mikrobiologie, Universität für Bodencultur Wien, Muthgasse 18, A-1190 Vienna, Austria. Tel.: +43 1 360 066 569; fax: +43 1 369 7615; e-mail: diethard.mattanovich@boku.ac.at

Biotechnology, especially recombinant protein production with bacteria; Yeasts and filamentous fungi; Physiology of production strains; Metabolic engineering

Gilbert Shama, Department of Chemical Engineering, Loughborough University, Loughborough, Leics LE11 3TU, UK. Tel.: +44 (0) 1509 222514; fax: +44 (0) 1509 223923; e-mail: g.shama@lboro.ac.uk

Chemostat/Continuous culture studies; Bioreactors; Microbial contamination in the food industry; Biofilms in food processing; Microbial inactivation (in food, water) by UV and other treatments; Mathematical modelling of microbial processes

ENVIRONMENTAL MICROBIOLOGY; PLANT-MICROBE INTERACTIONS

Elizabeth Baggs, School of Biological Sciences, Cruickshank Building, University of Aberdeen, St Machar Drive, Aberdeen AB24 3UU, UK. Tel.: +44 (0)1224 272 691; fax: +44 (0)1224 272 703; e-mail: e.baggs@abdn.ac.uk

Soil bacterial ecology, particularly in relation to nitrogen and carbon cycling; Functional genes involved in denitrification; Impacts of soil management, pollution or climate change

Hermann Bothe, Botanical Institute, University of Cologne, D-50923 Köln, Germany. Tel.: +49 221 470 2760; fax: +49 221 470 5039; e-mail: hermann.bothe@uni-koeln.de

Plant-microbe interactions, particularly between mycorrhiza and plant growth-promoting bacteria; Metabolism, molecular biology and ecology of cyanobacteria; Molecular microbial ecology, particularly of bacteria involved in the nitrogen cycle

Paolina Garbeva, NIOO-KNAW Centre for Terrestrial Ecology, Department of Terrestrial Microbial Ecology, Boterhoeksestraat 48, 6666 GA Heteren, The Netherlands. Tel.: +31(0)26 479 1316; fax: +31(0)26 472 3227; e-mail: p.garbeva@nioo.knaw.nl

Microorganisms in terrestrial ecosystems; Soil microbial diversity and community structure; Plant-microbe interactions; Bacterial interspecific interactions; Production of antimicrobial compounds; Fungal-bacterial interactions; Soil fungistasis and general soil suppressiveness; Differential gene expression

J. Colin Murrell, Department of Biological Sciences, University of Warwick, Coventry CV4 7AL, UK. Tel.: +44 (0)24 76 523 553; fax: +44-24-76 523 568; e-mail: j.c.murrell@warwick.ac.uk

Molecular microbial ecology, particularly of bacteria involved in biogeochemical cycles; Physiology, biochemistry and molecular biology/genetics of C1metabolism/methylotrophic bacteria; Microbiology of atmospheric trace gases; Di-iron centre monooxygenases

Yaacov Okon, Dept. of Plant Pathology & Microbiology, Faculty of Agricultural, Food & Environmental Quality Sciences, The Hebrew University of Jerusalem, The Rehovot Campus, 76100, Rehovot, Israel. Tel.: +972 8 948 9216; fax: +972 8 946 6794; e-mail: okon@agri.huji.ac.il

Plant growth promoting bacterial-rhizosphere associations; Symbiotic and non-symbiotic biological nitrogen fixation; Physiology and ecology of Azospirillum as a model system for rhizosphere studies

Aharon Oren, The Institute of Life Sciences, The Hebrew University of Jerusalem, 91904, Jerusalem, Israel. Tel.: +97226584951; fax: +972 26528008; e-mail: orena@shum.cc.huji.ac.il

Microbial ecology and physiology; Halophilic microorganisms; Photosynthetic prokaryotes

Andreas Stolz, Institut für Mikrobiologie, Universität Stuttgart, Allmandring 31, 70569 Stuttgart, Germany. Tel.: +49 711 685 65489; fax: +49 711 685 65725; e-mail: andreas.stolz@imb.uni-stuttgart.de

Biocatalysis; Biotransformations; Biodegradation; Nitrile-converting enzymes; Oxygenases; Metabolism of sulfonic acids and azo dyes; Physiology and genetics of sphingomonads

EUKARYOTIC CELLS

Linda F. Bisson, Dept of Viticulture and Enology, 1311 Haring Hall, University of California at Davis, One Shields Avenue, Davis, CA 95616-8749, USA. Tel.: +1 530 752 3835; fax: +1 530 752 0382; e-mail: lfbisson@ucdavis.edu

Molecular biology, genetics, biochemistry, physiology, ecology and applications of yeasts

Albert Descoteaux, INRS - Institute Armand-Frappier, 531 Blvd des Prairies, Laval, QC, Canada H7V 1B7. Tel.: 11 450 6875010 ext. 4465; fax: 11 450 686 5501; e-mail: albert.descoteaux@iaf.inrs.ca

Leishmania; Host-pathogen interactions; Phagocytosis; Cellular microbiology; Intracellular signaling

Jan Dijksterhuis, CBS Fungal Biodiversity Centre, Uppsalalaan 8, 3584 CT Utrecht, The Netherlands. Tel.: +31.30.2122654; fax: 131.30.2512097; e-mail: dijksterhuis@cbs.knaw.nl

Fungal cell biology; Food mycology; Fungal pathogenicity; Morphogenesis of fungi; Spore germination; Fungal ultrastructure

Geoffrey M. Gadd, Division of Environmental and Applied Biology, Biological Sciences Institute, School of Life Sciences, University of Dundee, Dundee DD1 4HN, UK. Tel.: +44 (0)1382 384 765; fax: +44 1382 388 216; e-mail: g.m.gadd@dundee.ac.uk

Yeast and fungal physiology, ecology and differentiation; Metal-microbe interactions; Heavy metals and toxicology

Nina Gunde-Cimerman, Department of Biology, Biotechnical Faculty, University of Ljubljana, Vecna Pot 111, 1000, Ljubljana, Slovenia. Tel.: +386 1 423 3388; fax: +386 1 257 3390; e-mail: nina.gunde-cimerman@bf.uni-lj.si

Physiology, ecology and biodiversity of fungi, especially in extreme environments; Fungal biotechnology; Production of extracellular enzymes and secondary metabolites; Pathogenic fungi; Medicinal mushrooms; Culture collections and strain preservation

Bernard Paul, Laboratoire des Sciences de la Vigne, Institut Jules Guyot, Université de Bourgogne, BP 27877, 21078 Dijon, France. Tel.: +33 380 396326; fax: +33 380 396326; e-mail: bernard.paul@u-bourgogne.fr

Mycology, in particular biological control of plant diseases; The genera Botrytis and Pythium; Aquatic phycomycetes

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Stress responses by yeast to the environment; Microbial solute channels; Fungal biotechnology; Hemicellulose biodegradation by fungi

Claire Remacle, Genetics of Microorganisms, Department of Life Sciences B22, University of Liege, Bld du Rectorat 27, B-4000, Liege, Belgium. Tel.: +32 4366 3812; fax: +32 4366 3840; e-mail: c.remacle@ulg.ac.be

The function and biogenesis of mitochondria and chloroplasts; Genetics and molecular biology of lower eukaryotes with emphasis on cell organelles

Pauline Schaap, Division of Cell and Developmental Biology, University of Dundee, Dow Street, Dundee DD1 5EH, UK. Tel.: +44 (0)1382 348078; fax: +44 (0)1382 345386; e-mail: p.schaap@dundee.ac.uk

Cellular and developmental biology of social amoebae; Signal transduction, especially the role of cyclic nucleotide signalling pathways in the regulation of developmental decisions, sporulation and stress responses

Richard C. Staples, Boyce Thompson Institute, Cornell University, Tower Road, Ithaca, NY 14850, USA. Tel.: +1 607 257 4889; fax: +1 607 254 1242; e-mail: rsc8@cornell.edu

Development, physiology, cell biology and molecular biology of filamentous fungi including fungal pathogens of plants and animals

GENETICS AND MOLECULAR BIOLOGY

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Phylogeny; Molecular ecology; Intestinal microbiology and microbial genomics; Antibiotic resistance; Bacterial genetics

Roger S. Buxton, Division of Mycobacterial Research, National Institute for Medical Research, The Ridgeway, Mill Hill, London NW7 1AA, UK. Tel.: +44 (0)20 8816 2225; fax: +44 (0)20 8906 4477; e-mail: rbuxton@nimr.mrc.ac.uk

Mycobacteria, especially pathogenesis; Microbial genetics and molecular biology; Gene regulation; Two-component signal transduction

Karl Forchhammer, Institut für Mikrobiologie und Molekularbiologie, Justus-Liebig-Universität, Heinrich-Buff-Ring 26-32, D-35392, Giessen, Germany. Tel.: +49 641 9935 545; fax: +49 641 9935 549; e-mail: karl.forchhammer@uni-tuebingen.de

Physiology and molecular genetics of cyanobacteria; Microbial nitrogen control; Bacterial signal transduction through serine/threonine, phosphorylation/dephosphorylation

Rob P. Gunsalus, Department of Microbiology and Molecular Genetics, 1602 MSB, University of California (UCLA), Los Angeles, CA 90095, USA. Tel.: +1 310 206 8201; fax: +1 310 206 5231; e-mail: robq@microbio.ucla.edu

Molecular genetics; Microbial physiology; Methanogenesis; Anaerobic cell function; Electron transport; Metabolism

Derek J. Jamieson, School of Life Sciences, Herriot-Watt University, Riccarton, Edinburgh EH14 4AS, UK. Tel.: +44 (0)131 451 3644; fax: +44 (0)131 451 3009; e-mail: d.j.jamieson@hw.ac.uk

Molecular biology; Genetics and biochemistry of yeasts

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Molecular biology, genetics, biochemistry and physiology of Gram-positive bacteria

Ezio Ricca, Dipartimento di Fisiologia Generale ed Ambientale, Università Federico II, Via Mezzocannone 16, 80134, Naples, Italy. Tel.: +39 81 253 4636; fax: +39 81-551 4437; e-mail: ericca@cds.unina.it

Bacterial differentiation; Sporulation; Gene expression in gram-positive bacteria; Bacteria as vaccine vehicles and as probiotics; Display of molecules on bacterial surfaces

Wolfgang Schumann, Institute of Genetics, Universität Bayreuth, D-95440, Bayreuth, Germany. Tel.: +49 921 552 708; fax: +49 921 552 710; e-mail: weschumann@uni-bayreuth.de

Bacterial genetics, especially stress genes; Transposition; Bacteriophages

Marco R. Soria, Professor of Biochemistry and Molecular Biology, Department of Chemistry, Section Biochemistry, via Ponte don Melillo, 84084-Fisciano (SA), Italy. Tel.: +39 089 96 9515; fax: +39 089 96 9603; e-mail: msoria@unisa.it
Functional genomics of host-parasite interactions; Regulation of gene expression; Angiogenesis

GENOMICS, BIOINFORMATICS AND SYSTEMS BIOLOGY

Michael Y. Galperin, National Center for Biotechnology Information, Bethesda, MD 20894, USA. Tel.: 11 301 435 5910; fax: 11 301 435 7794; e-mail: mygalperin@gmail.com

Microbial genomics; Bioinformatics; Modeling of metabolic pathways; Evolution of metabolism

Jan-Ulrich Kreft, Centre for Systems Biology, School of Biosciences, University of Birmingham, Birmingham B15 2TT, UK. Tel.: +44 121 414 8851; e-mail: j.kreft@bham.ac.uk

Environmental microbiology; Population dynamics; Mathematical modelling; Biofilms; Social behaviour; Systems biology

Peter Lund, School of Biosciences, University of Birmingham, Birmingham B15 2TT, UK. Tel.: 144 121 414 5583; fax: 144 121 414 5925; e-mail: p.a.lund@bham.ac.uk

Bacterial and archaeal stress responses; Regulation of gene expression including comparative transcriptomics; Molecular chaperones in bacteria and archaea; Protein folding; Basic archaeal cell and molecular biology

David Studholme, Sainsbury Laboratory, Norwich NR4 7UH, UK. Tel.: 144 1603 450450; fax: 144 1603 450011; e-mail: david.studholme@tsl.ac.uk

Bioinformatics; Genomics of plant pathogenic bacteria and oomycetes; Computational approaches to gene regulation; Next-generation sequencing technologies

PATHOGENICITY INCLUDING VETERINARY MICROBIOLOGY

Michael J. Bidochka, Department of Biological Sciences, Brock University, Glenridge Ave 500, ON, St. Catharines, Canada L2S 3A1. Tel.: +1 905 688 5550 ext 3392; fax: +1 905 688 1855; e-mail: bidochka@brocku.ca

Microbial pathogenicity, especially pathogenic fungi; Microbial population genetics and phylogeography

David Clarke, Department of Microbiology, University College Cork, Cork, Ireland. Tel.: +353 (0) 21 4903624; fax: +353 (0) 21 4903101; e-mail: david.clarke@ucc.ie

Biofilm formation, particularly in Gram negative bacteria; Two-component signal transduction; Bacteria-host interactions, especially pathogenicity and mutualism

Jose H. Crosa, Department of Molecular Microbiology, L220 Oregon Health and Science University, 3181 SW Sam Jackson Park Road, Portland OR 97201, USA. Tel.: +1 503 494 7583; fax: +1 503 494 6862; e-mail: crosajor@ohsu.edu

Bacterial virulence and genetics; Signal transduction and transcriptional regulation of pathogenicity genes in response to the host environment; Sideophore biosynthesis; Iron transport; Burkholderia pseudomallei; Pathogenic Vibrios; Fish microbiology

Holger B. Deising, Faculty of Agriculture, Phytopathology and Plant Protection, Martin-Luther University Halle-Wittenberg, Ludwig-Wucherer Strasse 2, D-06099, Halle, Germany. Tel.: +49 345 552 2660; fax: +49 345 552 7120; e-mail: holger.deising@landw.uni-halle.de

Fungal pathogenicity and virulence; Fungus-plant interactions, especially biochemistry and molecular biology of fungus-plant interactions; Fungal morphogenesis, especially infection structure differentiation; Fungicide resistance

Rob M. Delahay, Institute of Infection, Immunity & Inflammation, Queen's Medical Centre, University of Nottingham, Floor C, West Block, Nottingham NG7 2UH, UK. Tel.: +44 (0)115 924 9924; fax: +44 (0)115 970 9923; e-mail: rob.delahay@nottingham.ac.uk

Microbial pathogenicity (especially enteric pathogens); Enteropathogenic E. coli; Helicobacter; Host-pathogen interaction; Bacterial virulence secretion systems (Type III & IV in particular); Protein-protein interaction

Mark C. Enright, Department of Infectious Disease Epidemiology, Faculty of Medicine, Imperial College London, Norfolk Place, London W2 1PG, UK. Tel.: +44 (0)207 5943417; fax: +44 (0)207 5943693; e-mail: m.c.enright@imperial.ac.uk

Staphylococcus aureus; Streptococci; MRSA; Molecular epidemiology evolution; Antibiotic resistance; Virulence; Biochemistry; Physiology and genetics of streptococci

J. Ross Fitzgerald, Centre for Infectious Diseases, The Chancellor's Building, New Royal Infirmary, University of Edinburgh, Edinburgh EH16 4SB, Scotland, UK. Tel.: +44 (0)131 2429376; fax: +44 (0)131 2429385; e-mail: ross.fitzgerald@ed.ac.uk

Evolutionary genomics; Population genetics; Bacterial pathogenesis (particularly of staphylococci)

Jan-Ingmar Flock, Department of Microbiology, Tumour and Cell Biology, Karolinska Institutet, Box 280, SE-17177, Stockholm, Sweden. Tel.: +46 8 5248 6228; fax: +46 8 711 3918; e-mail: jan-ingmar.flock@mtc.ki.se

Genetics and virulence factors of staphylococci; Adherence of gram-positive bacteria; Experimental infection models in animals; Microbial immunity and vaccines against gram-positive bacteria; Function of antibodies against surface structures

Klaus Hantke, Mikrobiologie/Membranphysiologie, Universität Tübingen, Auf der Morgenstelle 28, D-72076, Tübingen, Germany. Tel.: +49 7071 297 4645; fax: +49 7071 295 843; e-mail: hantke@uni-tuebingen.de

Bacterial metal transport and regulation, especially iron, manganese and zinc; Functions of outer membrane and periplasmic proteins of gram-negative bacteria; Colicins and microcins; Pathogenicity and iron

Julian M. Ketley, Department of Genetics, University of Leicester, University Road, Leicester LE1 7RH, UK. Tel.: +44 (0)116 252 3434; fax: +44 (0)116 252 3378; e-mail: ket@leicester.ac.uk

Pathogenesis; Gene regulation; Microbial genomics; Vibrio cholerae; Campylobacters; Pathogenic enteric bacteria

Reggie Y.C. Lo, Department of Microbiology, University of Guelph, ON, Guelph, Canada N1G 2W1. Tel.: +1 519 824 4120; fax: +1 519 837 1802; e-mail: rlo@uoguelph.ca

Microbial pathogenicity; Bacterial genetics; Physiology and biochemistry

Tim Mitchell, Division of Infection and Immunity, Institute of Biomedical and Life Sciences, University of Glasgow, Joseph Black Building, Glasgow G12 8QQ, UK. Tel.: +44 (0)141 330 4642; fax: +44 (0)141 330 3727; e-mail: t.mitchell@bio.gla.ac.uk

Vaccine development; Microbial pathogenicity, especially gram-positive bacteria and mainly streptococci; Bacterial protein toxins; Bacterial virulence gene expression; Genomic variation in bacterial pathogens; Use of bacterial microarrays

Masao Mitsuyama, Department of Microbiology, Graduate School of Medicine (Rm203, Bldg D), Kyoto University, Yoshida-Konoecho, Sakyo-ku 606-8501, Kyoto, Japan. Tel.: +81 75 753 4441; fax: +81 75 753 4446; e-mail: mituyama@mb.med.kyoto-u.ac.jp

Bacterial pathogenicity; Medical bacteriology; Intracellular bacteria; Immune response to infection

Marilyn C. Roberts, Department of Pathobiology 357238, School of Public Health, University of Washington, Seattle, WA 981985, USA. Tel.: +1 206 543 8001; fax: +1 206 543 3873; e-mail: marilyn@u.washington.edu

Antibiotic and heavy metal resistance mechanisms, exchange of resistance genes within and between ecosystems and their impact on public health; Bacteria associated with dental caries, periodontal disease and oral microflora; Detection of bacteria and specific genes Using molecular methods; Molecular epidemiology

Mark Schembri, School of Molecular and Microbial Sciences, University of Queensland, Building 76, QLD 4072, Brisbane, Australia. Tel.: +61 7 3365 3306; fax: +61 7 3365 4699; e-mail: m.schembri@uq.edu.au

Biofilms; Vaccine development; Microbial pathogenicity, especially gram-negative bacteria; Bacterial adhesins; Bacterial gene regulation and DNA microarrays; Bacterial display systems

Stefan Schwarz, Institute of Farm Animal Genetics, Friedrich-Loeffler-Institute (FLI), Ho"ltystr.10, D-31535 Neustadt-Mariensee, Germany. Tel.: +49 5034 871 241; fax: +49 5034 871 246; e-mail: stefan.schwarz@fli.bund.de

Antibiotic resistance mechanisms; Pathogenicity; Molecular biology of Staphylococci; Molecular epidemiology; Pasteurellaceae, Enterobacteriaceae, Bordetella; Mobile genetic elements and horizontal gene transfer; Gram-positive cocci

Craig Shoemaker, United States Department of Agriculture-Agricultural Research Service, 990 Wire Road, Auburn, AL 36832, USA. Tel.: +1 334 887 3741; fax: +1 334 887 2983; e-mail: craig.shoemaker@ars.usda.gov

Fish microbiology; Fish pathogenicity; Immunology and vaccine development in fish species

Stephen Smith, Department of Clinical Microbiology, St. James's Hospital, Trinity College, Stone Building 8, Dublin, Ireland. Tel.: +353 1 608 8590; fax: +353 1 473 8902; e-mail: sgsmith@tcd.ie

Microbial pathogenicity; Outer membrane proteins; Gram-negative bacteria; Bacterial gene regulation; Bacterial adhesion and invasion; Fimbriae and pili

Arnoud H.M. van Vliet, Institute of Food Research, Section Molecular Microbiology, Norwich Research Park, Norwich NR4 7UA, UK. Tel.: +44 1603 255250; fax: +44 1603 255288; e-mail: arnoud.vanvliet@bbsrc.ac.uk

Bacterial gene regulation; Microbial pathogenesis and genetics, especially of Helicobacter and Campylobacter; Microbial metal metabolism

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Clinical microbiology; Anaerobic bacteria; Oral microbiology; Molecular microbial ecology; Molecular diagnostics; Bacterial systematics

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Pseudomonas; Burkholderia; Pathogenicity islands; Pathogenicity of and variation amongst gram-negative bacteria

PHYSIOLOGY AND BIOCHEMISTRY

Matthias Brock, Leibniz Institut für Naturstoff-Forschung und Infektionsbiologie, Hans-Knoll-Institut, Mikrobielle Biochemie und Physiologie, Beutenbergstr. 11a, 07745 Jena, Germany. Tel.: 149 (0) 3641 5321710; fax: 149 (0) 3641 656825; email: matthias.brock@hki-jena.de

Fungal physiology and biochemistry; Primary metabolism; Fungal virulence determinants; Protein purification; Heterologous protein production

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Biofilms; Oral microbiology; Environmental regulation of bacterial gene expression; Streptococci; Stress tolerance

Jeff A. Cole, School of Biosciences, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK. Tel.: +44 (0)121 414 5440; fax: +44 (0)121 414 5925; e-mail: j.a.cole@bham.ac.uk

Bacterial cytochrome biosynthesis and electron transfer pathways; Microbial physiology, especially the regulation of anaerobic metabolism of enteric bacteria; Nitrate and nitrite reduction by bacteria; Microbial pathogenicity of gonococci

Christiane Dahl, Institut für Mikrobiologie und Biotechnologie, Rheinische Friedrich-Wilhelms Universität Bonn, Meckenheimer Allee 168, D-53115 Bonn, Germany. Tel.: +49 228 732 119; fax: +49 228 737 576; e-mail: chdahl@uni-bonn.de

Physiology, biochemistry, molecular biology and genetics of anoxygenic phototrophic bacteria; Microbial sulfur metabolism; Electron transport

Stephen P. Diggle, Institute of Infection, Immunity & Inflammation, Centre for Biomolecular Sciences, University of Nottingham, University Park, Nottingham NG7 2RD, UK. Tel.: +44 (0)115 8467954; fax: +44 (0)115 846 7951; e-mail: steve.diggle@nottingham.ac.uk

Bacterial cell-cell communication; Quorum sensing; Pseudomonas; Cooperation and social evolution in microorganisms; Biofilms; Infection

Anthony M. George, Dept of Cell and Molecular Biology, University of Technology, Sydney, PO Box 123 (Broadway), NSW 2007, Sydney, Australia. Tel.: +61 2 9514 4158; fax: +61 2 9514 4003; e-mail: tony.george@uts.edu.au

Membrane transport; Molecular biology and biochemistry of multidrug resistance in bacteria and higher organisms; ABC transporters; Bacterial resistance to antibiotics

Jose A. Gil, Dept de Microbiologia, Facultad de Biología, Universidad de León, 24071 León, Spain. Tel.: +34 987 291 503; fax: +34 987 291 479; e-mail: degigs@unileon.es

Antibiotic biosynthesis and resistance; Actinomycetes and corynebacteria

Juan Imperial, Dept. Biología, ETS Ingenieros Agrónomos, Universidad Politécnica de Madrid and CSIC, Ciudad Universitaria s/n, 28040 Madrid, Spain. Tel.: +34 91 336 5759; fax: +34 91 336 5757; e-mail: juan.imperial@upm.es

Microbial physiology and biochemistry; Nitrogen fixation and nitrogenases; Hydrogen metabolism and hydrogenases; Rhizobacteria (free-living and symbiotic); Metal Microbiology, especially Mo, W, V and Ni; Agricultural microbiology

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Bacterial biochemistry and bioenergetics; Enzyme mechanisms; Tetrapyrroles; Control of bacterial gene expression

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Regulation of bacterial gene expression; Solute transport, particularly the bacterial phosphotransferase system

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Environmental microbiology; Plant-microbe interactions; Regulation of gene expression; Bacterial biochemistry, physiology and genetics of stresses and metals

Marco Moracci, Institute of Protein Biochemistry-CNR, Via P. Castellino 111, 80131 Naples, Italy. Tel.: +39 081 613 2271; fax: +39 081 613 2277; e-mail: m.moracci@ibp.cnr.it

Physiology and biochemistry of hyperthermophilic bacteria and archaea; Control of gene expression in thermophilic archaea; Biotechnological applications of enzymes from extremophiles

Sylvie Rimsky, Enzymologie et Cinétique Structurale, LBPA, UMR 8113, Ecole Normale Supérieure de Cachan/CNRS, Université Paris XI, Avenue du Président Wilson 61, 94235 Cachan Cedex, France. Tel.: +33 1 4740 7676; fax: +33 1 4740 7684; e-mail: sylvie.rimsky@lbpa.ens-cachan.fr

Protein-DNA interaction; Bacterial chromatin organisation; Protein-protein interaction (non-membrane); DNA chemical/enzymatic reactivity

Jorg Simon, Department of Microbiology and Genetics, Darmstadt University of Technology, Schnittspahnstr. 10, D-64287 Darmstadt, Germany. Tel.: +49 6151 165203; fax: +49 6151 162956; e-mail: simon@bio.tu-darmstadt.de

Bacterial metabolism and bioenergetics, especially anaerobic respiration; Maturation of electron transport enzymes

Alexander Steinbuchel, Institut für Molekulare Mikrobiologie und Biotechnologie, Westfälische Wilhelms-Universität, Correnstraße 3, D-48149, Münster, Germany. Tel.: +49 251 833 9821; fax: +49 251 833 8388; e-mail: steinbu@uni-muenster.de

Metabolism and biotechnological production of biopolymers (Polyesters, Cyanophycin and other poly (amino acids)); Microbial degradation of rubber

Atsushi Yokota, Laboratory of Microbial Resources and Ecology, Graduate School of Agriculture, Hokkaido University, 060- 8589 Sapporo, Japan. Tel.: +81 11 706 2501; fax: +81 11 706 4961; e-mail: yokota@chem.agr.hokudai.ac.jp

Energy metabolism gram-positive bacteria and Escherichia coli; Lactic acid bacteria and bifidobacteria as probiotics