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Ongoing projects

Staphylococcal biofilm infections on orthopedic implants

Jørgensen, N. P. (Deltager), Meyer, R. L. (Deltager), Petersen, J. E. (Deltager) & Fuursted, K. (Deltager)
01/01/2012 → 01/07/2015

Heat Transfer Effective Anti-Fouling Solutions for Heat Exchange Surfaces

Iruthayaraj, J. (Deltager), Meyer, R. L. (Deltager), Sutherland, D. S. (Deltager) & Daasbjerg, K. (Deltager)
03/06/2014 → ...

Getting Stuck - How Gram Positive Bacteria Form Biofilm

Okshevsky, M. U. (Deltager), Zeng, G. (Deltager), Greve, M. (Deltager) & Meyer, R. L. (Deltager)
01/11/2012 → 31/10/2016

FUTUREMILQ

Regina, V. R. (Deltager) & Meyer, R. L. (Deltager)
01/04/2013 → 01/04/2015

Encapsulation of antimicrobial essential oils

Nielsen, C. K. (Deltager), Kjems, J. (Deltager), Mygind, T. (Deltager) & Meyer, R. L. (Deltager)
01/08/2012 → 31/07/2016

Biofilm formation by *Achromobacter xylosoxidans*

Nielsen, S. M. (Deltager), Meyer, R. L. (Deltager), Bjarnsholt, T. (Deltager) & Nørskov-Lauritsen, N. (Deltager)
01/02/2013 → 31/01/2016

Antimicrobial compounds targeting Gram negative bacteria: Mode of action and synergistic effects

Hyldgaard, M. (Deltager), Mygind, T. (Deltager) & Meyer, R. L. (Deltager)
01/10/2011 → 01/10/2014

CAWAP: Advanced water purification using bio-inorganic nanocatalysts and soil filters

Brix, H. (Deltager), Bester, K. (Deltager), Meyer, R. L. (Deltager), Carvalho, P. (Deltager), Arias, C. A. (Deltager), Lv, T. (Deltager), Zhang, L. (Deltager) & Zhang, Y. (Deltager)

AU Ideas
01/08/2012 → 31/12/2015

Project management

2014-2018 Heat transfer effective antifouling solutions (Advanced Technology Foundation)
2012-2016 Getting stuck: How Gram positive bacteria form biofilm (Sapere Aude Starting Grant)
2008-2010 Nano- and biofunctionalised surfaces for biofilm prevention. (DSF grant)
2007-2010 Bio-regeneration of Industrially Important Metal Catalysts. (FTP grant)
2006-2008 Antifouling surfaces for food production (Mejeribrugets forskningsfond)

Peer-reviewed publications

The efficacy and safety of an enzyme-containing lozenge for dental biofilm control: a randomized controlled pilot trial
Schlafer, S., Johnsen, K. K., Kjærbølling, I., Schramm, A., Meyer, R. L. & Jørgensen, M. R., aug. 2024, I: Journal of Dentistry. 147, 105107.

Efficacy of rifampicin combination therapy against MRSA prosthetic vascular graft infections in a rat model
Johansen, M. I., Petersen, M. E., Faddy, E., Seefeldt, A. M., Mitkin, A. A., Østergaard, L., Meyer, R. L. & Jørgensen, N. P., jun. 2024, I: Biofilm. 7, 100189.

Bacterial efflux pumps excrete SYTO™ dyes and lead to false-negative staining results
Minero, G. A. S., Larsen, P. B., Hoppe, M. E. & Meyer, R. L., feb. 2024, I: Analyst. 149, 8, s. 2232-2235 4 s.

Combined pH ratiometry and fluorescence lectin-binding analysis (pH-FLBA) for microscopy-based analyses of biofilm pH and matrix carbohydrates
Del Rey, Y. C., Schramm, A., L Meyer, R., Lund, M. B. & Schlafer, S., feb. 2024, I: Applied and Environmental Microbiology. 90, 2, e0200723.

Extracellular G-quadruplexes and Z-DNA protect biofilms from DNase I, and G-quadruplexes form a DNAzyme with peroxidase activity
Minero, G. A. S., Møllebjerg, A., Thiesen, C., Johansen, M. I., Jørgensen, N. P., Birkedal, V., Otzen, D. E. & Meyer, R. L., feb. 2024, I: Nucleic Acids Research. 52, 4, s. 1575-1590 16 s.

Considerations on the use of microsensors to profile dissolved H₂ concentrations in microbial electrochemical reactors
Sandfeld, T., Grøn, L. V., Munoz Duarte, L. D., Meyer, R. L., Koren, K. & Philips, J., 2024, I: PLOS ONE. 19, 1, e0293734.

The effect of enzymatic treatment with mutanase, beta-glucanase and DNase on a saliva-derived biofilm model
Rikvold, P. D., Hansen Skov, L. B., Louise Meyer, R., Rose Jørgensen, M., Tiwari, M. K. & Schlafer, S., 2024, I: Caries Research. 58, 2, s. 72-80 9 s.

A New Device for In Situ Dental Biofilm Collection Additively Manufactured by Direct Metal Laser Sintering and Vat Photopolymerization
Rikvold, P. T., Johnsen, K. K., Leonhardt, D., Møllebjerg, A., Nielsen, S. M., Hansen, L. B. S., Meyer, R. L. & Schlafer, S., okt. 2023, I: 3D Printing and Additive Manufacturing. 10, 5, s. 1036-1045 10 s.

Multiple-enzyme treatment reduces biofilm formation in a highly acidogenic in vitro model
Rikvold, P., Møllebjerg, A., Meyer, R. L. & Schlafer, S., okt. 2023, I: Caries Research. 57, 2, s. 333 1 s., 52.

Protein ligand and nanotopography separately drive the phenotype of mouse embryonic stem cells
Ghorbani, S., Christine Füchtbauer, A., Møllebjerg, A., Møller Martensen, P., Hvidbjerg Laursen, S., Christian Evar Kraft, D., Kjems, J., Meyer, R. L., Rahimi, K., Foss, M., Füchtbauer, E. M. & Sutherland, D. S., okt. 2023, I: Biomaterials. 301, 122244.

Antibody-Drug Conjugates to Treat Bacterial Biofilms via Targeting and Extracellular Drug Release
Tvilum, A. S., Johansen, M. I., Glud, L. N., Ivarsen, D. M., Khamas, A. B., Carmali, S., Mhatre, S. S., Søggaard, A. B., Faddy, E., de Vor, L., H. M. Rooijackers, S., Østergaard, L. J., Jørgensen, N. P., Meyer, R. L. & Zelikin, A., aug. 2023, I:

Advanced Science. 10, 23, 15 s., 2301340.

Polyether Ionophore Antibiotics Target Drug-Resistant Clinical Isolates, Persister Cells, and Biofilms

Wollesen, M., Mikkelsen, K., Tvillum, M. S., Vestergaard, M., Wang, M., Meyer, R. L., Ingmer, H., Poulsen, T. & Tørring, T., aug. 2023, I: Microbiology Spectrum. 11, 4, 14 s., e0062523.

Fibrinolytic and antibiotic treatment of prosthetic vascular graft infections in a novel rat model

Johansen, M. I., Rahbek, S. J., Jensen-Fangel, S., Minero, G. A., Jensen, L. K., Larsen, O. H., Erikstrup, L. T., Seefeldt, A. M., Østergaard, L. J., Meyer, R. L. & Jørgensen, N. P., jul. 2023, I: PLOS ONE. 18, 7, 20 s., e0287671.

GFP fusions of Sec-routed extracellular proteins in *Staphylococcus aureus* reveal surface-associated coagulase in biofilms

Evans, D. C. S., Khamas, A. B., Marcussen, L., Rasmussen, K. S., Klitgaard, J. K., Kallipolitis, B. H., Nielsen, J., Otzen, D. E., Leake, M. C. & Meyer, R. L., jul. 2023, I: Microbial Cell. 10, 7, s. 145-156 12 s.

Novel high-throughput screening platform identifies enzymes to tackle biofouling on reverse osmosis membranes

Møllebjerg, A., Zarebska, A., Nielsen, H. B., Hansen, L. B. S., Sørensen, S. R., Seredynska-Sobecka, B., Villacorte, L. O., Gori, K., Palmén, L. G. & Meyer, R. L., maj 2023, I: Desalination. 554, 18 s., 116485.

Biofilm formation and inflammatory potential of *Staphylococcus saccharolyticus*: A possible cause of orthopedic implant-associated infections

Afshar, M., Møllebjerg, A., Minero, G. A., Hollensteiner, J., Poehlein, A., Himmelbach, A., Lange, J., Meyer, R. L. & Brüggemann, H., nov. 2022, I: Frontiers in Microbiology. 13, 14 s., 1070201.

JMM Profile: *Staphylococcus epidermidis*

Skovdal, S. M., Jørgensen, N. P. & Meyer, R. L., okt. 2022, I: Journal of Medical Microbiology. 71, 10, 001597 .

The giant staphylococcal protein Embp facilitates colonization of surfaces through Velcro-like attachment to fibrillated fibronectin

Khan, N., Aslan, H., Büttner, H., Rohde, H., Golbek, T. W., Roeters, S. J., Woutersen, S., Weidner, T. & Meyer, R. L., jul. 2022, I: eLife. 11, 22 s., e76164.

The Role of Nanoscale Distribution of Fibronectin in the Adhesion of *Staphylococcus aureus* Studied by Protein Patterning and DNA-PAINT

Khateb, H., Sørensen, R. S., Cramer, K., Eklund, A. S., Kjems, J., Meyer, R. L., Jungmann, R. & Sutherland, D. S., jul. 2022, I: ACS Nano. 16, 7, s. 10392-10403 12 s.

Aptamer-Targeted Drug Delivery for *Staphylococcus aureus* Biofilm

Ommen, P., Hansen, L., Hansen, B. K., Vu-Quang, H., Kjems, J. & Meyer, R. L., apr. 2022, I: Frontiers in cellular and infection microbiology. 12, 12 s., 814340.

Management of oral biofilms by nisin delivery in adhesive microdevices

Birk, S. E., Mosgaard, M. D., Kjeldsen, R. B., Boisen, A., Meyer, R. L. & Nielsen, L. H., okt. 2021, I: European Journal of Pharmaceutics and Biopharmaceutics. 167, s. 83-88 6 s.

The bacterial life cycle in textiles is governed by fiber hydrophobicity

Møllebjerg, A., Palmén, L. G., Gori, K. & Meyer, R. L., okt. 2021, I: Microbiology Spectrum. 9, 2, e01185-21.

Human Fibrinogen Inhibits Amyloid Assembly of Most Phenol-Soluble Modulins from *Staphylococcus aureus*

Najarzadeh, Z., Nielsen, J., Farzadfard, A., Sereikaite, V., Strømgaard, K., Meyer, R. L. & Otzen, D. E., aug. 2021, I: ACS Omega. 6, 34, s. 21960-21970 11 s.

Genome sequence of *Staphylococcus epidermidis* AUH4567, a clinical isolate from an infected central venous catheter

Meyer, R. L., Skovdal, S. M., Marshall, I. P. G., Schreiber, L., Nørskov-Lauritsen, N. & Jørgensen, N. P., mar. 2021, I: Microbiology Resource Announcements. 10, 12, 1 s., e01254-20.

Host factors abolish the need for polysaccharides and extracellular matrix-binding protein in *Staphylococcus epidermidis* biofilm formation

Skovdal, S. M., Hansen, L. K., Ivarsen, D. M., Zeng, G., Büttner, H., Rohde, H., Jørgensen, N. P. & Meyer, R. L., mar. 2021, I: Journal of Medical Microbiology. 70, 3, 11 s., 001287.

Activation of the Two-Component System LisRK Promotes Cell Adhesion and High Ampicillin Tolerance in *Listeria monocytogenes*

Aslan, H., Petersen, M. E., De Berardinis, A., Zacho Brunhede, M., Khan, N., Vergara, A., Kallipolitis, B. & Meyer, R. L., jan. 2021, I: Frontiers in Microbiology. 12, 9 s., 618174.

Polycaprolactone-gelatin nanofibers incorporated with dual antibiotic-loaded carboxyl-modified silica nanoparticles

Gounani, Z., Pourianejad, S., Asadollahi, M. A., Meyer, R. L., Rosenholm, J. M. & Arpanaei, A., dec. 2020, I: Journal of Materials Science. 55, 36, s. 17134-17150

Development of a label-free LSPR-Apta sensor for *Staphylococcus aureus* detection

Khateb, H., Klös, G., Meyer, R. L. & Sutherland, D. S., apr. 2020, I: ACS Applied Bio Materials. 3, 5, s. 3066–3077 12 s.

Combination of Rhamnolipid and Chitosan in Nanoparticles Boosts Their Antimicrobial Efficacy

Marangon, C. A., Martins, V. C. A., Ling, M. H., Melo, C. C., Plepis, A. M. G., Meyer, R. L. & Nitschke, M., 2020, I: ACS Applied Materials & Interfaces. 12, 5, s. 5488-5499 12 s.

Host proteins determine MRSA biofilm structure and integrity

Dreier, C., Nielsen, A., Kragstrup, T. W., Jørgensen, N. P. & Meyer, R. L., 2020, (Under udarbejdelse) I: Frontiers in Microbiology.

Should standard *in vitro* models of *Staphylococcus aureus* biofilms include host plasma?

Andersen, P. O., Dreier, C., Zeng, G., Amby, K., Jørgensen, N. P. & Meyer, R. L., 2020, (Afsendt) I: Journal of Microbiological Methods.

Evaluation of critical parameters for preparation of stable clove oil nanoemulsion

Shahavi, M. H., Hosseini, M., Jahanshahi, M., Meyer, R. L. & Darzi, G. N., dec. 2019, I: Arabian Journal of Chemistry. 12, 8, s. 3225-3230 6 s.

Evaluation of Surface-initiated Polymer brush as Anti-scaling Coating for Plate Heat Exchangers

Friis, J. E., Subbiahdoss, G., Gerved, G., Holm, A. H., Santos, O., Blichfeld, A. B., Moghaddam, S. Z., Thormann, E., Daasbjerg, K., Iruthayaraj, J. & Meyer, R. L., nov. 2019, I: Progress in Organic Coatings. 136, 105196.

Mesoporous silica nanoparticles carrying multiple antibiotics provide enhanced synergistic effect and improved biocompatibility

Gounani, Z., Asadollahi, M. A., Pedersen, J. N., Lyngsø, J., Pedersen, J. S., Arpanaei, A. & Meyer, R. L., mar. 2019, I: Colloids and Surfaces B: Biointerfaces. 175, s. 498-508 11 s.

Identification and Directed Development of Non-Organic Catalysts with Apparent Pan-Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion

Walther, R., Winther, A., Fruergaard, A. S., Akker, W. V. D., Sørensen, L., Nielsen, S. M., Olesen, M. T. J., Dai, Y., Jeppesen, H. S., Lamagni, P., Savateev, A., Pedersen, S. L., Frich, C. K., Vigier, C. A., Lock, N., Singh, M., Bansal, V., Meyer, R. L. & Zelikin, A. N., 2 jan. 2019, I: Angewandte Chemie International Edition. 58, 1, s. 278-282 5 s.

Innate glycosidic activity in metallic implants for localized synthesis of antibacterial drugs

Meer, M. T., Dillion, R., Nielsen, S. M., Walther, R., Meyer, R. L., Daamen, W. F., Van Den Heuvel, L. P., Van Der Vliet, J. A., Lomme, R. M. L. M., Hoogeveen, Y. L., Schultze Kool, L. J., Schaffer, J. E. & Zelikin, A. N., 1 jan. 2019, I: Chemical Communications. 55, 4, s. 443-446 4 s.

Antifouling properties of layer by layer DNA coatings

Subbiahdoss, G., Zeng, G., Aslan, H., Ege Friis, J., Iruthayaraj, J., Zelikin, A. N. & Meyer, R. L., jan. 2019, I: *Biofouling*. 35, 1, s. 75-88 14 s.

Distribution of extracellular DNA in *Listeria monocytogenes* biofilm

Šuláková, M., Pazlarová, J., Meyer, R. L. & Demnerová, K., 2019, I: *Czech Journal of Food Sciences*. 37, 6, s. 409-416 8 s.

Cell wall associated protein TasA provides an initial binding component to extracellular polysaccharides in dual-species biofilm

Duanis-Assaf, D., Duanis-Assaf, T., Zeng, G., Meyer, R. L., Rechtes, M., Steinberg, D. & Shemesh, M., 1 dec. 2018, I: *Scientific Reports*. 8, 1, 9350.

Protein Engineering Reveals Mechanisms of Functional Amyloid Formation in *Pseudomonas aeruginosa* Biofilms

Bleem, A., Christiansen, G., Madsen, D. J., Maric, H., Strømgaard, K., Bryers, J. D., Daggett, V., Meyer, R. L. & Otzen, D. E., 12 okt. 2018, I: *Journal of Molecular Biology*. 430, 20, s. 3751-3763 13 s.

Combatting implant-associated biofilms through localized drug synthesis

Walther, R., Nielsen, S. M., Christiansen, R., Meyer, R. L. & Zelikin, A. N., 10 okt. 2018, I: *Journal of Controlled Release*. 287, s. 94-102 9 s.

Quaternary Ammoniumyl Chitosan Derivatives for Eradication of *Staphylococcus aureus* Biofilms

Sahariah, P., Masson, M. & Meyer, R. L., sep. 2018, I: *Biomacromolecules*. 19, 9, s. 3649-3658 10 s.

Ultra-dense polymer brush coating reduces *Staphylococcus epidermidis* biofilms on medical implants and improves antibiotic treatment outcome

Skovdal, S. M., Jørgensen, N. P., Petersen, E., Jensen-Fangel, S., Ogaki, R., Zeng, G., Johansen, M. I., Wang, M., Rohde, H. & Meyer, R. L., aug. 2018, I: *Acta Biomaterialia*. 76, s. 46-55 10 s.

Preclinical evaluation of potential infection-imaging probe [⁶⁸Ga]Ga-DOTA-K-A9 in sterile and infectious inflammation

Nielsen, K. M., Jørgensen, N. P., Kyneb, M. H., Borghammer, P., Meyer, R. L., Thomsen, T. R., Bender, D., Jensen, S. B., Nielsen, O. L. & Alstrup, A. K. O., 23 maj 2018, I: *Journal of Labelled Compounds and Radiopharmaceuticals*. 61, 10, s. 780-795 16 s.

A transposon mutant library of *Bacillus cereus* ATCC 10987 reveals novel genes required for biofilm formation and implicates motility as an important factor for pellicle-biofilm formation

Okshevsky, M. U., Louw, M. G., Otero Lamela, E., Nilsson, M., Tolker-Nielsen, T. & Meyer, R. L., apr. 2018, I: *MicrobiologyOpen*. 7, 2, e00552.

Ag/Fe₃O₄ nanocomposites penetrate and eradicate *S.aureus* biofilm in an *in vitro* chronic wound model

Ghaseminezhad, S. M., Shojaosadati, S. A. & Meyer, R. L., 1 mar. 2018, I: *Colloids and Surfaces B: Biointerfaces*. 163, s. 192-200 9 s.

Loading of polymyxin B onto anionic mesoporous silica nanoparticles retains antibacterial activity and enhances biocompatibility

Gounani, Z., Asadollahi, M. A., Meyer, R. L. & Arpanaei, A., 15 feb. 2018, I: *International Journal of Pharmaceutics*. 537, 1-2, s. 148-161 14 s.

Prospective role of indigenous *Exiguobacterium profundum* PT2 in arsenic biotransformation and biosorption by planktonic cultures and biofilms

Rehman, S., Andreasen, R., Li, Y., Rehman, Y., Ahmed, M., Meyer, R. L. & Sabri, A. N., feb. 2018, I: *Journal of Applied Microbiology*. 124, 2, s. 431-443 12 s.

Pan-genome analysis of the genus *Finegoldia* identifies two distinct clades, strain-specific heterogeneity, and putative virulence factors

Brüggemann, H., Jensen, A., Nazipi, S., Aslan, H., Meyer, R. L., Poehlein, A., Brzuszkiewicz, E., Al-Zeer, M. A., Brinkmann, V. & Söderquist, B., 10 jan. 2018, I: *Scientific Reports*. 8, 1, 266.

Antibacterial isoeugenol coating on stainless steel and polyethylene surfaces prevents biofilm growth

Nielsen, C. K., Subbiahdoss, G., Zeng, G., Salmi, Z., Kjems, J., Mygind, T., Snabe, T. & Meyer, R. L., jan. 2018, I: Journal of Applied Microbiology. 124, 1, s. 179-187 9 s.

Effect of DNase treatment on adhesion and early biofilm formation of *Enterococcus faecalis*

Schlafer, S., Garcia, J., Meyer, R. L., Vaeth, M. & Neuhaus, K. W., 2018, I: European Endodontic Journal. 3, 2, s. 82-86 5 s.

Novel prosthecate bacteria from the candidate phylum Acetothermia

Hao, L., McIlroy, S. J., Kirkegaard, R. H., Karst, S. M., Warnakulasuriya, E. Y. F., Aslan, H., Meyer, R. L., Albertsen, M., Nielsen, P. H. & Dueholm, M. S., 2018, I: ISME Journal. 12, 9, s. 2225–2237 13 s.

The Immunomodulatory Drug Glatiramer Acetate is Also an Effective Antimicrobial Agent that Kills Gram-negative Bacteria

Christiansen, S. H., Murphy, R. A., Juul-Madsen, K., Fredborg, M., Hvam, M. L., Axelgaard, E., Skovdal, S. M., Meyer, R. L., Sorensen, U. B. S., Moeller, A., Nyengaard, J. R., Nørskov-Lauritsen, N., Wang, M., Gadjeva, M., Howard, K. A., Davies, J. C., Petersen, E. & Vorup-Jensen, T., 15 nov. 2017, I: Scientific Reports. 7, 1, 16 s., 15653.

Osteopontin adsorption to Gram-positive cells reduces adhesion forces and attachment to surfaces under flow

Kristensen, M. F., Zeng, G., Neu, T. R., Meyer, R. L., Baelum, V. & Schlafer, S., 11 okt. 2017, I: Journal of Oral Microbiology. 9, 1, 10 s., 1379826.

Quantification of biofilm biomass by staining: Non-toxic safranin can replace the popular crystal violet

Ommen, P., Zobek, N. & Meyer, R. L., okt. 2017, I: Journal of Microbiological Methods. 141, s. 87-89 3 s.

Inhibition of the ATP Synthase Eliminates the Intrinsic Resistance of *Staphylococcus aureus* towards Polymyxins

Vestergaard, M., Nøhr-Meldgaard, K., Bojer, M. S., Krosgård Nielsen, C., Meyer, R. L., Slavetinsky, C., Peschel, A. & Ingmer, H., 5 sep. 2017, I: mBio (Online). 8, 5, e01114-17.

Extracellular DNA Contributes to Dental Biofilm Stability

Schlafer, S., Meyer, R. L., Dige, I. & Regina, V. R., 1 aug. 2017, I: Caries Research. 51, 4, s. 436-442 7 s.

Differences in Gene Expression Profiles between Early and Late Isolates in Monospecies *Achromobacter* Biofilm

Nielsen, S. M., Meyer, R. L. & Nørskov-Lauritsen, N., 19 maj 2017, I: Pathogens. 6, 2, 20.

Hyperbaric Oxygen Therapy is Ineffective as an Adjuvant to Daptomycin with Rifampicin Treatment in a Murine Model of *Staphylococcus aureus* in Implant-Associated Osteomyelitis

Jørgensen, N. P., Hansen, K., Andreasen, C. M., Pedersen, M., Fuursted, K., Meyer, R. L. & Petersen, E., 25 apr. 2017, I: Microorganisms. 5, 2

Antimicrobial effect of emulsion-encapsulated isoeugenol against biofilms of food pathogens and spoilage bacteria

Nielsen, C. K., Kjems, J., Mygind, T., Snabe, T., Schwarz, K., Serfert, Y. & Meyer, R. L., 2 feb. 2017, I: International Journal of Food Microbiology. 242, s. 7–12 6 s.

Draft Genome Sequence of *Bacillus* sp. FMQ74, a Dairy-contaminating Isolate from Raw Milk

Okshevsky, M. U., Regina, V. R., Marshall, I., Schreiber, L. & Meyer, R. L., 26 jan. 2017, I: Genome Announcements. 5, 4, e01512-16.

Critical review on biofilm methods

Azeredo, J., Azevedo, N. F., Briandet, R., Cerca, N., Coenye, T., Costa, A. R., Desvaux, M., Di Bonaventura, G., Hébraud, M., Jaglic, Z., Kačániová, M., Knøchel, S., Lourenço, A., Mergulhão, F., Meyer, R. L., Nychas, G., Simões, M., Tresse, O. & Sternberg, C., 2017, I: Critical Reviews in Microbiology. 43, 3, s. 313-351 39 s.

Epigallocatechin Gallate Remodels overexpressed Functional Amyloids in *Pseudomonas aeruginosa* and Increases Biofilm Susceptibility to Antibiotic Treatment

Stenvang, M., Dueholm, M. S., Vad, B. S., Seviour, T. W., Zeng, G., Geifman-Shochat, S., Søndergaard, M. T., Christiansen, G., Meyer, R. L., Kjelleberg, S., Otzen, D. E. & Nielsen, P. H., 16 dec. 2016, I: *Journal of Biological Chemistry*. 291, 51, s. 26540-26553 14 s.

Effects of Tween 80 on Growth and Biofilm Formation in Laboratory Media

Nielsen, C. K., Kjems, J., Mygind, T., Snabe, T. & Meyer, R. L., 22 nov. 2016, I: *Frontiers in Microbiology*. 7, NOV, 10 s., 1878.

Streptokinase Treatment Reverses Biofilm-Associated Antibiotic Resistance in *Staphylococcus aureus*

Jørgensen, N. P., Zobek, N., Dreier, C., Haaber, J., Ingmer, H., Larsen, O. H. & Meyer, R. L., 19 sep. 2016, I: *Microorganisms*.

***Achromobacter* Species Isolated from Cystic Fibrosis Patients Reveal Distinctly Different Biofilm Morphotypes**

Nielsen, S. M., Nørskov-Lauritsen, N., Bjarnsholt, T. & Meyer, R. L., 14 sep. 2016, I: *Microorganisms*. 4, 3

Clove oil nanoemulsion as an effective antibacterial agent: Taguchi optimization method

Shahavi, M. H., Hosseini, M., Jahanshahi, M., Meyer, R. L. & Darzi, G. N., aug. 2016, I: *Desalination and Water Treatment*. 57, 39, s. 18379-18390 12 s.

Enhancing the antibacterial efficacy of isoeugenol by emulsion encapsulation

Nielsen, C. K., Kjems, J., Mygind, T., Snabe, T., Schwarz, K., Serfert, Y. & Meyer, R. L., 16 jul. 2016, I: *International Journal of Food Microbiology*. 229, s. 7-14 8 s.

Rifampicin-containing combinations are superior to combinations of vancomycin, linezolid and daptomycin against *Staphylococcus aureus* biofilm infection in vivo and in vitro

Jørgensen, N. P., Skovdal, S. M., Meyer, R. L., Dagnæs-Hansen, F., Fuursted, K. & Petersen, E., jun. 2016, I: *Pathogens and Disease*. 74, 4, s. ftw019

Calcium-phosphate-osteopontin particles for caries control

Schlafer, S., Birkedal, H., Olsen, J., Skovgaard, J., Sutherland, D., Wejse, P. L., Nyvad, B. & Meyer, R. L., 2016, I: *Biofouling*. 32, 4, s. 349-357 9 s.

Hydrophilic Polymer Brush Layers on Stainless Steel Using Multilayered ATRP Initiator Layer

Friis, J. E., Brøns, K., Salmi, Z., Shimizu, K., Subbiahdoss, G., Holm, A. H., Santos, O., Pedersen, S. U., Meyer, R. L., Daasbjerg, K. & Iruthayaraj, J., 2016, I: *ACS Applied Materials and Interfaces*. 8, 44, s. 30616-30627 9 s.

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