

Publications and other presentations between 1992-January 2015: By Dr N. M. Lee, Lab Microbial Systems Ecology, Department of Microbiology, TUM, Freising, Germany (www.microbial-systems-ecology.de), and other institutions.

Publications:

Peer reviewed Articles:

1. Balcazar, J. L., Lee, N. M., Suzuki, M. T., J. Pintado and M. Planas. 2010. Phylogenetic characterization and in situ detection of bacterial communities associated with seahorses (*Hippocampus guttulatus*) in captivity. *Systematic Applied Microbiology* 33(2):71-7.
2. Baskar, S., Baskar, R., Lee, N. M., and P. K. Theophilus. 2009. Speleothems from Mawsmi and Krem Phyllut caves, Meghalaya, India. Some evidences of biogenic activities. *Environmental Geology* 57(5):1169-1186.
3. Baskar, S., Baskar, R., Lee, N. M., A. Kaushik and P. K. Theophilus. 2008. Precipitation of iron in microbial mats of the spring waters of the Borra Caves, Vishakapatnam, India: Some geomicrobiological aspects. *Environmental Geology* 56(2):237-243.
4. Börekci, G., Aslan, G., Aydin, E., Fiandaca, M. J., Stender, H., Lee, N.M., Özkul, Y., Emekdaş, G. 2014. Identification of Mycobacterium species from BACTEC MGIT™ positive cultures with Oligo-FISH and PNA-FISH methods. *Mikrobiyol Bul.* 2014 Jul;48(3):385-401. Turkish.
5. Carlsson, H., N. M. Lee, and T. Welander. 1994. A case study on the sludge characteristics in a biological nutrient removal pilot plant at the Sjölanda wastewater treatment plant in Malmö. *Journal of Water Management and Research/"Vatten" Scandinavian scientific journal*, 1, 39.
6. Carlsson, C., Aspegren, H., N. M. Lee and A. Hilmer. 1997. Calcium phosphate precipitation in biological phosphorus removal systems. *Water Research* 31, 1047.
7. Dalhammar, G., Lee, N. M. and A. Norström. 2008. The microbial characterization of a hydroponic treatment step for domestic wastewater - towards an expanded view on the plant-microbial hydroecology. *Journal of Environmental Engineering and Science* 7(6): 635-644.
8. Engel, S. A., Meisinger, D. B., Porter, M. L., M. Schmid, Stern, L. A., K. H. Schleifer and N. M. Lee. 2010. Linking phylogenetic and functional diversity to nutrient spiraling in microbial mats from Lower Kane Cave (USA). *ISME Journal* 4, 98–110.
9. Engel, A. S., Lee, N. M., Porter, M. L., Stern, L. A., P. C. Bennett and M. Wagner. 2003. Filamentous Epsilonproteobacteria dominate microbial mats from sulfidic cave springs. *Appl Environ Microbiol* 69, 5503.
10. Kellermann, C., Drazenka, S., Hartmann, A., Espersschütz, J., Lee, N. M., M. Hügler and C. Griebler. 2012. Microbial CO₂ fixation potential in a tar-oil contaminated porous aquifer. *FEMS Microbial Ecology*. 81,172-87.

11. Lee, N. M. and H. Reichenbach. 2005. The Genus *Herpetosiphon* within Chloroflexi. In: *The Prokaryotes*. Vol. 7: Proteobacteria: Delta and Epsilon Subclasses. Deeply Rooting Bacteria. Eds. M. Dworkin, S. Falkow, E. Rosenberg, K.H. Schleifer, Stackebrandt, E. Springer Verlag, pp 12/2005: pp. 854-877. Click <http://www.springerlink.com/content/m5g07v81851327v0/?MUD=MP> for online version.
12. Lee, N. M., Cellamare, C. M., Bastianutti, C., Rossello-Mora, R., Kämpfer, P., Ludwig, W., K.H. Schleifer and L. Stante. 2004. Emended description of the species *Lampropedia hyalina*. *IJSEM* 54, 1709.
13. Lee, N. M., Nielsen, P. H., Aspegren, M. Henze, M., K. H. Schleifer, and J. la Cour Jansen. 2003. Long-term population dynamics and in situ physiology of the microbial community in wastewater treatment plants with enhanced biological phosphorus removal. *Syst Appl Microbiology* 26, 211.
14. Lee, N. M. and T. Welander. 1996. The effect of different carbon sources on respiratory denitrification in biological wastewater treatment. *Journal of Fermentation and Bioengineering* 82, 277.
15. Lee, N. M. and T. Welander. 1996. Use of protozoa and metazoa for reducing sludge production in biological wastewater treatment. *Biotechnology Letters* 18, 429.
16. Lee, N. M. and T. Welander. 1996. Reducing sludge production in aerobic wastewater treatment through manipulation of the ecosystem. *Water Research* 30, 1781.
17. Lee, N. M., Nielsen, P. H., Andreasen, K., Juretschko, S., Nielsen, J. L., K.H. Schleifer and M. Wagner. 1999. Combination of fluorescent in situ hybridization and microautoradiography – a new tool for structure-function analyses in microbial ecology. *Appl. Environ. Microbiol.* 65, 1289.
18. Loy, A., Lehner, A., Lee, N. M., Adamczyk, J., Meier, H., Ernst, J., K.H. Schleifer and M. Wagner. 2002. An oligo-nucleotide microarray for 16S rRNA gene based detection of all recognized lineages of sulfate-reducing prokaryotes in the environment. *Appl. Environ. Microbiol.*, 68, 5064.
19. Meisinger, D. B., Zimmermann, J., Ludwig, W., Schleifer, K. H., Wanner, G., Schmid, M., Bennett, P. C., A. S. Engel and N. M. Lee. 2007. In situ detection of novel Acidobacteria in microbial mats from a chemolithoautotrophically-based cave system (Lower Kane Cave, WY, USA). *Environmental Microbiology*, vol 9(6): 1523-1534.
20. Pavlekovic, M., Schmid, M. C., Schmider, Poignee N., Spring, C., Pilhofer, M., Gaul, T., Fiandaca, M., Loeffler, F. E., Jetten, M., K.-H. Schleifer and N. M. Lee. 2009. Optimization of three FISH procedures for in situ detection of anaerobic ammonium oxidizing bacteria in biological wastewater treatment. *Journal of Microbiological Methods* 78:119-126.
21. Pilhofer, M., Pavlekovic, M., Lee, N., W. Ludwig, W. and K. H. Schleifer. 2009. Concomitant identification of diazotrophic bacteria and detection of *nifH* mRNA by using fluorescence in situ hybridization. *Systematic Applied Microbiology* 32: 186-192.
22. Rossello-Mora, R., Lee, N. M., J. Anton and M. Wagner. 2003. Substrate uptake in extremely halophilic microbial communities revealed by microautoradiography and fluorescence in situ hybridization. *Extremophiles* 7, 409.
23. Wagner, M., Loy, A., Nogueira, R., Purkhold, U., N. M. Lee and H. Daims. 2002. The links between microbial community composition, function, and stability in wastewater treatment plants. *Antonie van Leeuwenhoek* 81, 665.

Conference papers:

24. Braissant, O., Bindschedler, S., Cailleau, G., Aubrecht, R., L. Kovacic and N. Lee. 2010. Isothermal Microcalorimetry a Novel Tool for Non-Disruptive Analysis of Microbial Heat Production in Subsurface Ecosystems. *Origins of Life and Evolution of Biospheres*. 40(6):561-562.
25. Haneke, J., Lee, N. M., T. W. Gaul and H. F. A. Van den Weghe. 2010. Characterization of microbial communities in exhaust air treatment systems of large-scale pig housing facilities. *Water Science and Technology* 62, 1551–1559.
26. Hauer, K., Meisinger, D. B., Pavlekovic, M. Thomas, S. H. Kniggendorf, A. K., Chee-Sanford, J., Sandford, R., Lebrón, C. A., Liebl, W., Loeffler, F. E., and N. M. Lee. 2009. Novel tools for in situ detection of biodiversity and function of dechlorinating and uranium-reducing bacteria in contaminated environments. *Goldschmidt Conference; 01/2009*.
27. Henze, M., la Cour Jansen, J., Aspegren, H., P. H. Nielsen and N. M. Lee. 2002. Effect of solids retention time and wastewater characteristics on biological phosphorus removal. *Water Science and Technology* 46, 137.
28. Jönsson, J., Johansson, P., Christensson, M., Lee, N., E. Lie, and T. Welander. 1996. Operational factors affecting enhanced biological phosphorus removal at the wastewater treatment plant in Helsingborg , Sweden . *Water Science and Technology* 34, 67.
29. Lee, N. 2009. Caves as model systems for the evolution of a complex biosphere in a chemolithoautotrophic subsurface. *Origins of Life and Evolution of Biospheres* 01/2009; 39:54-56.
30. Lee, N. M., Jönsson, I., Braissant, O., Schrällhammer, M., Petroni, G., Schmid, M., P. Rettberg and G. Horneck. 2010. The microbiology of Tardigrades and their potential role for astrobiological research. *Origin of Life and Evolution of the Biosphere* 40, 499-607.
31. Lee, N. M. and T. Welander. 1994. Influence of predators on nitrification in aerobic biofilm processes. *Water Science and Technology* 29, 355.
32. Lee, N. M., Carlsson, H., Aspegren, H., T. Welander, and B. Andersson. 1996. Stability and variation of sludge properties in two parallel systems for enhanced biological phosphorus removal operated with and without nitrogen removal. *Water Science and Technology* 34, 101.
33. Lee, N. M., la Cour Jansen, J., Aspegren, H., Henze, M., P.H. Nielsen and M. Wagner. 2002. Population dynamics in wastewater treatment plants with enhanced biological phosphorus removal operated with and without nitrogen removal. *Water Science and Technology* 45,137.
34. Meola, M., Lee, N.M., Heim, C., Queric, N.V., Braissant, O., Ionescu, D., deBeer, D., Löffler, F.E., Thiel, V., Reitner, J., Liebl, W. 2012. Astrobiological lessons from the ancient iron-oxidizing genus *Gallionella*. *Paleontological J* 46(9):1071-1072.
35. Nielsen, P. H., Andreasen, K., N. M Lee, and M. Wagner. 1999. Use of microautoradiography and fluorescent in situ hybridization for characterization of microbial activity in activated sludge. *Water Science and Technology* 39, 1.
36. Microscopical studies of phosphorus accumulating bacteria in sludge from waste water treatment plants
37. Lee, N.M., Weibull, C., Carlemalm, E. and T. Welander.1992. *Micron and Microscopica Acta* 01/1992; 23:103-104.

Books/book chapters/reports:

38. Aspegren, H., la Cour Jansen, J., Henze, M., P. H. Nielsen and N. M. Lee. 2003. Omsättning av organiska ämnen i VA-system / in English: Turnover of organic substances in wastewater treatment. VA-forsk. Nr 2003-45. Research report to the Swedish Water and Wastewater Association, www.svenskvatten.se
39. Aubrecht, R., Barrio-Amoros, C., Breure, A., Brewer-Carías, C., Derka, T., Gregor, M., Kodada, J., Kováčik, L., Lánčzos, T., Lee, N. M., Liščák, P., Schlögl, J., B. Šmída, and Lukáš Vlček. 2013. Venezuelan tepuis – their caves and biota. 2012. Acta Geologica Slovaca – Monograph, Comenius University, Bratislava, Slovakia. pp. 168.
40. Baskar S, Baskar R, Tiwari V, Thorseth IH, Øvreas L, Lee NM and Routh J. 2011. Cave geomicrobiology in India: Status and prospects. In: The Stromatolites: Interaction of microbes with sediments. Eds. Joseph Seckbach and Vinod Tewari. Cellular Origin, Life in Extreme Habitats and Astrobiology, 2011, Volume 18, Part 5, 541-569, DOI: 10.1007/978-94-007-0397-1_24, Springer Publication.
41. Christensson, M., Jönsson, K., Lee, N. M., Lie, E., Johansson, P., T. Welander and K. Östgaard. 1995. Utvärdering av biologisk fosforavskiljning vid Öresundsverket i Helsingborg - process tekniska och mikrobiologiska aspekter / in English: Evaluation of biological phosphorus removal at Öresundsverket in Helsingborg - process technology and microbiology. VA-forsk. Nr 1995-04. ISBN 1102-5368. Research report to the Swedish Water and Wastewater Association, www.svenskvatten.se
42. Lee, N. M., Porter, M. L., W. Liebl and A. S. Engel. 2015. Cave Biofilm Metagenomics. Encyclopedia of Metagenomics. Springer Verlag. In press.
43. Lee, N. and K. Miyanaga. 2014. Microbes in the cave. In: Encyclopedia of environments and microbes" Editor Haruta Shin. Asakura Publishing Co., Ltd. (in Japanese, translated by Kazuhiko Miyanaga)
44. Lee, N. M., Meisinger, D. B., Aubrecht, R., Kovacik, L., Saiz-Jimenez, C., Baskar, S., Baskar, R., Liebl, W., M. Porter and A. Summers-Engel. 2012. Life in caves and karst environments. In: Life at Extremes: Environments, Organisms and Strategies for Survival. Ed. E. M. Bell. CABI International, UK. Chapter 16, pp. 320-344.
45. Lee, N. M., Meisinger, D. B., Schmid, M., Rothballer and F. E. Löffler. 2011. Fluorescence in situ hybridization in geomicrobiology. In: Encyclopedia in Geobiology. Eds H.J. Reitner and V. Thiel. Springer Verlag, pp 854-880. The current online version contains a few errors and lacks partly figure text. Please email nlee@environmental-microbiology.de, for corrected information and missing figures.
46. Lee, N. M., G. Mohlin and T. Welander. 1991. Mikrofloran i aktivt slam (in English The microflora in activated sludge - a review). Department of biotechnology, Lund University.
47. N. M. Lee. 1998. Karaktärisering av mikrofloran och mikrofaunan i Perstorp reningsverk / in English: Characterization of the microflora and fauna in the sludge from an industrial wastewater treatment. Internal reserarch report to Perstorp AB, Perstorp, Sweden.
48. N. M. Lee and T. Welander. 1992. Mikroskopisk karaktärisering av aktivt slam fraan Helsingborgs reningsverk. In English: Microscopic characterization of activated sludge in the wastewater treatment of Helsingborg, Sweden. Department of biotechnology, Lund University.

49. Löffler, F. E., Ritalahti, K. M., Edwards, E., Lebron C. and N. M. Lee. 2013. Biomarkers and tools for reductive dechlorination site assesment, monitoring and management (BioReD). SERDP project 1586. Strategic Environmental Research and Development Program USA, <http://www.serdp.org/>.
50. Schmid, S., Selesi, D., Rothballer, M., Schloter, M., Lee, N. M., E. Kandeler, and A. Hartmann. 2006. Localization and Visualisation of Microbial Community Structure and Activity in Soil Microhabitats. In *Soil Biology*, vol 6. Eds. König, H. and Varma, A. Berlin: Springer Verlag 439-461.
51. Wagner, M., Loy, A., Klein, M., Lee, N. M., N. B. Ramsing, and A. Stahl, M. W. Friedrich. 2005. Functional Marker Genes for Identification of Sulphate-Reducing Prokaryotes. In: *Methods in Enzymology* Vol. 397, pp. 469-489.
52. S. Weber, and H Richnow coordinators – including contributions from several researchers from 4 institutes (Friedrich Schiller University Jena, Eberhard Karls University Tübingen, TU München, Helmholtz Zentrum Munich, Helmholtz Zentrum Leipzig. 2008. “Virtual Institute for Isotope Biogeochemistry” (VIBE) contract VH-VI-155. Helmholtz Association of German Research Centres (HGF).
53. T. Welander and N. M. Lee. 1993. Karaktärisering av slam inom projektet optimering av luftad damm In English: Characterization of sludge from a pulp wastewater treatment. Environmental Research Report of the Pulp and Paper Industry - Environment, 57.

Oral presentations:

1. Baskar, R., Baskar, S., Lee, N. M., A. Kaushik, and P. K. Theophilus. 2008. Precipitation of iron in microbial mats of the spring waters of the Borra Caves , Vishakapatnam , India . Oral presentation at International Kalkowsky-Symposium "Geobiology of Stromatolites", Göttingen, Germany, 4-11 October 2008.
2. Beck, A., Vonach, M., Meisinger, D. B., E. Facher and N. M. Lee. 2008. Characterization of the microbial community associated with *Xantoria parietina*. Oral presentation at 6th IAL and ABLs meeting Monterey CA , USA , 13-19 July, 2008.
3. Braissant, O., Spring, S., Lebron, C., Ritalahti, K. M., F. E. Löffler and N. M. Lee. 2011. Molecular biological tools and microcalorimetry: a novel approach to estimate cellular activities. Oral presentation at REMTEC Remediation Technology Summit - The Future of Remediation Technology, Chicago, IL, USA, May 2011.
4. Braissant, O., Jönsson, K. I., Aubrecht, R., Kovavic, L., Heim, C., Queric, N. V., Thiel, V. Reitner, J., Spring, S., Ritalahti, K. M., Liebl, W., F. E. Löffler and N. M. Lee. 2010. Isothermal microcalorimetry: a non-disruptive tool for analysis o microbial heat production for evaluation of in situ activities and cell numbers. Oral presentation at ISME 13 International Symposium on Microbial Ecology Microbes - Stewards of a Changing Planet, Seattle, WA, USA, 22-27 August 2010.
5. Braissant, O., Bindschedler, S., Cailleau, G., Aubrecht, R., L. Kovacic and N. M. Lee. 2009. Isothermal microcalorimetry: a novel tool for non-disruptive analysis of microbial energy production in mineralogical subsurface ecosystems. Oral presentation at 9th European Workshop on Astrobiology EANA, Brussels, Belgium, 12-14 October 2009.
6. Engel, A. S., Meisinger, D. B., Porter, M. L., M. Schmid, and N. M. Lee. 2008. Microbial mats in caves as model systems for the evolution of a complex biosphere in a chemolithoautotrophic subsurface. Oral presentation at International Kalkowsky-Symposium "Geobiology of Stromatolites", Göttingen , Germany , 4-11 October 2008.

7. Engel, A. S., Meisinger, D. B., Porter, M. L., M. Schmid, and N. M. Lee. 2008. Caves as model systems for the evolution of a complex biosphere in a chemolithoautotrophic subsurface. Oral presentation at 8th European Workshop on Astrobiology EANA, Neuchatel , Switzerland , 1-3 September 2008.
8. Engel, A. S., Meisinger, D. B., Porter, M. L., M. Schmid and N. M. Lee. 2008. Cave microbiology as windows into the subsurface. Oral presentation at CAREX meeting meeting Identification of model ecosystems in extreme environments. Sant Feliu de Guixols , Spain , 30 November-2 December 2008. For download of presentation, click here (search for the section Deep biosphere, Working group 4) December 2008.
9. Haneke, J., Kosch, R., Lee, N. M., T. Gaul and Herman F. A. Van den Weghe. 2009. A preliminary study of a potential beneficial biological nitrogen oxidation in exhaust air treatment systems. Oral presentation at 9th International Conference on “Construction, Technology, and Environment in Farm Animal Husbandry” Humboldt University Berlin, 21-23 September 2009.
10. Hauer, K., Meisinger, D. B., Pavlekovic, M., Kniggendorf, A. K., Thomas; S. H., Chee-Sanford, J., Sanford, R., Lebrón, C. A., Liebl, W., F. E. Loeffler and N. M. Lee. 2009. Novel tools for in situ detection of biodiversity and function of dechlorinating and uranium-reducing bacteria in contaminated environments. Oral presentation at Goldschmidt meeting - Challenges to our volatile planet, Davos, Switzerland, 21-26 June 2009.
11. Hauer, K., Pavlekovic, M., Priller, F., Thomas, S. H., Sanford, J. C., Sanford, R., Ludwig, W., Schleifer, K. H., Zwirgmaier, K., Scanlan, D., F. E. Loeffler and N. M. Lee. 2007. Fluorescence in situ detection of low copy genes with RING-FISH (Recognition of individual genes): possibilities and limitations. Oral presentation at International Workshop on FISH in Riga , Latvia , 10-11 December, 2007.
12. Ionescu, D., Heim, C., Queric, N. V., Lee, N. M., Liebl, W., Thiel, V., J. Reitner and D. de Beer. 2010. Iron oxides mediated by phototrophic versus chemolithotrophic microorganisms: their potential implications in the formation of banded iron formations. Oral presentation at ISME 13 International Symposium on Microbial Ecology Microbes - Stewards of a Changing Planet, Seattle, WA, USA, 22-27 August 2010.
13. Jeppson, U., N. M. Lee and H. Aspegren. 1995. Modelling microfauna influence for decreasing sludge production in aerobic wastewater treatment. Oral presentation at IAQW (today IWA) Conference workshop Biofilm structure, growth and dynamics - need for new concepts? Noordwijkerhout, 1995.
14. Jönsson, J., Johansson, P., Christensson, M., Lee, N., E. Lie, and T. Welander. 1996. Operational factors affecting enhanced biological phosphorus removal at the wastewater treatment plant in Helsingborg, Sweden . Oral presentation at IAQW (today IWA) Conference, conference, Singapore, 1996.
15. Lee N. M., Tang P., Liebl W. 2014. Oral presentation "Overview of molecular and microbial methods for appropriate analysis of the subsurface.", at the GeoRepNet 2/RATE meeting: Linking science and technology in Geological Repositories. Keyworth/Nottingham, UK, 23-24 October 2014. Organiser British Geological Survey and the UK centre for Astrobiology.
16. Lee, N. M. 2014. Oral presentation “Microbial biodiversity of the cave, karst rocky and subsurface environments: critical comments and future perspectives”, at the 22nd International Karstological School: Classical Karst”: Karst and Microorganisms”. Postojna, Slovenia, 16-20 June 2014, <http://iks.zrc-sazu.si/en/1st-circular.html>; http://iks.zrc-sazu.si/datoteke/GuideBook_2014.pdf
17. Lee, N. M. 2014. Oral presentation “Biodiversity and habitability” at the Astrobiological Workshop: Physico-chemical boundary conditions for habitability?- Definition of science goals, Madrid, 5-6 May 2014, www.astromap.eu

18. Lee, N. M. 2009. Seminar on environmental and subsurface microbiology at Sultan Qaboos University Muscat, Oman , 8 February, 2009.
19. Lee, N. M. 2009. Seminar on tools for molecular ecology and phylogeny at Department of Microbial Ecology, Limnology and General Microbiology Universität Konstanz, Germany, 12 June, 2009.
20. Lee, N. M. 2007. In situ detection of microbial communities and their activities in the environment – problems and solutions. Department of Microbial Ecology, Limnology and General Microbiology Universität Konstanz , Germany , 17 September, 2007.
21. Lee, N. M. 2006. In situ detection of microbial structure & function: - possibilities & limits. AXIOM-Virtual Institute Spring School : Microbial Activity at Biogeochemical Gradients, organised by Isotopebiogeochemistry Centre for Environmental Research Leipzig, Germany, 3-6 April, 2006.
22. Lee, N. M. 2005. Optimization of FISH methods for in situ detection of reductively dechlorinating bacteria in contaminated groundwater areas. Isotopebiogeochemistry Centre for Environmental Research, Leipzig , Germany , November, 2005.
23. Lee, N. M. 2004. In situ analysis of microbial structure and function. Institute of Soil Ecology , GSF (National Research Center for Environment and Health, today Helmholtz Zentrum München), Neuherberg/Munich, Germany, 10 March, 2004.
24. Lee, N. M. 1994. Besvärliga slam i aktivt slamprocessen - orsaker och åtgärder / in English: Bulking and foaming sludge- problems and solutions. "New technology in wastewater treatment - six steps to a higher quality in wastewater treatment. Oral presentation at Swedish workshop organised by ANOX AB in Lund , Sweden , 1994.
25. Lee, N. M. 1995. Högre mikroorganismer och biofilmprocesser / in English: Microfauna and biofilm processes. "New technology in wastewater treatment - how to increase the quality of your wastewater treatment in future. Oral presentation at Swedish workshop organised by ANOX AB in Lund , Sweden , 1995.
26. Lee, N. M. 1996. Flytslam och skumbildning: Mikrobiologiska synpunkter paa skumbildning och slamsvällning / in English: Bulking and foaming problems - microbiological aspects. Oral presentation at Elmia Water 96, organised by Förbundet för Allmänt Hälsoskydd, Föreningen Vatten, Naturvaardsverket, Svenska Vatten- och Avloppsföreningen, Jönköping, Sweden, 1996.
27. Lee, N. M. 1996. Mikrofloran i kommunala och industriella reningsverk / in English: The microflora in municipal and industrial wastewater treatment plants. "New technology in wastewater treatment - process technology and operation. Oral presentation at Swedish workshop organised by ANOX AB in Lund, Sweden , 1996.
28. Lee, N. M. 1999. In Situ Techniques for the Study of Microbial Communities. Technische Universität Bergakademie Freiberg Germany, November 1999.
29. Lee, N. M., Braissant, O., Spring, S., Reitner, J., W. Liebl and F. E. Löffler. 2011. Capturing and visualizing the activity and biodiversity of microbes in the subsurface. Oral presentation at 8th International Subsurface Symposium Garmisch Partenkirchen/Munich, Germany. 11-16 September 2011.
30. Lee, N. M., Busse, H. J., Engel, A. S., Garrity, G. M., Henk, C. M., Meisinger, D. B., Pavlekovic, M., Rossello-Morá, R., Spring, S., B. Tindall and F. E. Loeffler. 2008. Novel insights into the biogeography and phylogeny of the phylum Chloroflexi. Oral presentation at ISME 12 - microbial ecology, Cairns , Australia , 17-22 August, 2008.

31. Lee, N. M., Henk, C. M., Burgmayr, S., K. H. Schleifer and H. Reichenbach. 2007. New Lineage of Aerobic, Filamentous, Gram-Negative, Mesophilic Bacteria affiliated to class I within the phylum Chloroflexi. Oral presentation at ICC 11 conference 1 conference on culture collections, Goslar , Germany , 7-11 October 2007.
32. Lee, N. M., la Cour Jansen, J., Aspegren, H., Dircks, K., Henze, M., Nielsen, P. H., K. H. Schleifer and M. Wagner. 2001. Population dynamics and in situ physiology of phosphorus-accumulating bacteria in wastewater treatment plants with enhanced biological phosphorus removal operated with and without nitrogen removal. Oral presentation at 3rd IWA International Specialised Conference on Microorganisms in activated sludge and biofilm processes, Rome , Italy , 13-15 June, 2001.
33. Lee, N. M., Jönsson, K. I., Braissant, O., P. Rettberg and G. Horneck. 2009. The microbiology of Tardigrada and its potential role as a model organism for astrobiology to explore survival patterns of eukaryotes and associated prokaryotes in extreme environments and outer space. Oral presentation at CAREX workshop Life in Extreme Environments Projects forum in Prague (Academy of Sciences of the Czech Republic), Czech Republic.
34. Lehner, A., Loy, A. P., Adamczyk, J., Lee, N. M., A. Schoepfer and M. Wagner. 2001. Development and application of phylogenetic DNA microarrays (phylochips) – rapid tools for microbial community profiling and functional analysis. ISME-9, Interactions in the microbial world, Amsterdam , The Netherlands, 26-31 August, 2001.
35. Lee, N. M., Meisinger, D. B., Spring, S., Diekert, G., Richnow, H. H., Lebrón, C. A. F.E. Löffler and. 2009. Visualizing Microorganisms by Fluorescence In Situ Hybridization in Contaminated Environments – Potentials and Limits. Oral presentation at REMTEC9 Remediation Technology Summit - The Future of Remediation Technology, Atlanta, USA, 2-5 March 2009. For download of presentation, click here (search for the section Molecular Tools- What can they tell us?).
36. Lee, N. M., Meisinger, D. B., Padilla-Crespo, E., Spring, S., Engel A. S., Schmid, M., K. M. Ritalahti and F. E. Löffler. 2009. Exploring the global evolution, biodiversity and past and current roles of the phylum Chloroflexi - one of the poorly defined, deep-branching phyla in the domain of Bacteria. Oral presentation at CAREX workshop Life in Extreme Environments Projects forum in Prague (Academy of Sciences of the Czech Republic), Czech Republic.
37. Lee, N. M., Meisinger, D. B., Pavlekovic, M., Hauer, K., Engel, A. S., Garrity, G. M., Ludwig, W., K. H. Schleifer and F. E. Loeffler. 2008. The biodiversity of Chloroflexi-affiliated bacteria in the subsurface. Oral presentation at ISSM Symposium of Subsurface Microbiology The Challenge of the Subsurface - the Fourth Environment for Life, Shizuoka, Japan, 16-21 November, 2008.
38. Lee, N. M., Nielsen, P. H., K. H. Schleifer and M. Wagner. 2000. Identification of phosphorus-accumulating bacteria in wastewater treatment plants using fluorescence in situ hybridization and microautoradiography. Oral presentation at Annual VAAM meeting München, Germany, March, 2000.
39. Lee, N. M., Rossello-Morá, R., Busse, H. J., Geyer, R., Henk, C. M., Larsson, L., Ludwig, W., Schmid, M., Szponar, B., Tindall, B., Tjernberg, I. , Loeffler, F. E., Hans Reichenbach and K.H. Schleifer. 2008. Screening, Enrichment and Isolation of novel members within the phylum Chloroflexi from the environment. Oral presentation at "Microbes, then, now and hereafter", IUMS conferences (the XII International Congress of Bacteriology and Applied Microbiology, Istanbul, Turkey, 5-15 August, 2008).
40. Lee, N. M., Schmid, M., Andreasen, K., Nielsen, P. H., Nielsen, J., Juretschko, S., K. H. Schleifer, and M. Wagner. 1998. In situ structure-function analyses of microbial communities: combination of rRNA-targeted gene probes with microautoradiography or mRNA in situ detection. Körber Symposium on Molecular and Microsensor studies of microbial communities. Max Planck Institute for Marine Microbiology, Bremen , Germany , 7-11 September, 1998.

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 90. Meisinger, D. B., Rossello-Mora, R., Spring, S., F. E. Löffler and N. M. Lee. 2009. Insights into the culturability of specimens within the phylum Chloroflexi. Poster presentation at BioTech 2009: Isolation, Identification and Preservation of Microorganisms Zürich University of Applied Sciences, Wädenswil, Switzerland, 29-30 June, 2009.
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97. Meisinger, D. B., Lee, N. M., A. S. Engel, and P. C. Bennett. 2005. Geomicrobiology: Caves as portals to novel, chemoautotrophic ecosystems in the subsurface. Poster presentaton MEM, Munich Environmental Microbiology at GSF Neuherberg/Munich, Germany 29 November, 2005.
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microorganisms in contaminated groundwater systems: problems and solutions. Poster presentation at International Workshop on Biogeochemical Processes in Groundwater Systems Neuherberg/Munich, Germany, 10-11 September, 2007.

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108. Thomas, S. H., Pavlekovic, M., Lee, N. M., M. Marshall, J., Kennedy, D. W., Ritalahti, K. M., R. A. Sanford, and F. E. Loeffler. 2006. Diversification in the subsurface: strain variation of *Anaeromyxobacter dehalogenans* in a uranium and nitrate-contaminated subsurface environment. Poster presentation at the international conference on microbial ecology, ISME 11 Vienna, Austria, 20-25 August, 2006.
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110. M. Pavlekovic, and N. Lee. 2005. Environmental microbiology: Development of novel characterization tools of microbiological processes in contaminated groundwater systems and wastewater treatment technology. Poster presentation MEM, Munich Environmental Microbiology at GSF Neuherberg/Munich, Germany, 29 November, 2005.
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