

## Curriculum Vitae

**Li Deng** Professor, PhD.  
d.o.b. October 13th, 1980, in Luoyang, China

### University Education

2008 PhD in Microbiology, University of Bristol, UK  
2004 Master of Science, University of Nottingham, UK  
2002 Bachelor, Tsinghua University, China

### Scientific Career

Since 2022 Chair Professor (W3) of 'Prevention of Microbial Diseases', Technical University of Munich, Germany  
2017-2022 TUM Junior Fellow, Technical University of Munich, Germany  
Since 2020 Executive Board members of the EU Innovative Training Networks (ITN) "VIROINF", Marie Skłodowska-Curie Actions, EU  
Since 2019 Steering committee member of the SFB/CRC 1371 "Microbiome Signatures – Functional Relevance in the Digestive Tract", Germany  
Since 2017 Board Director, European Viral Bioinformatics Centre  
Since 2017 Helmholtz Young Investigator Group Leader, Helmholtz Centre Munich, Germany  
Since 2016 Emmy Noether Group Leader, Helmholtz Centre Munich, Germany  
2011 – 2015 Senior Postdoc, Helmholtz Centre Munich, Germany  
2008 – 2011 Postdoctoral Research Associate, University of Arizona, USA

### Awards and Honors

2020 Award for excellent women scientists (W2/W3), Helmholtz association, Germany  
2019 TOP 10 junior scientist of the year, Academics (Die Zeit, research&education), Germany  
Since 2018 ERC starting grant, European Research Council, EU  
Since 2016 Emmy Noether Junior Group Leader program, DFG, Germany  
2014 International collaborative research award, University of Queensland, Australia  
2008 Irene Manton Prize, British Phycological Society, UK  
2007 President award, British Phycological Society, UK  
2004 – 2007 Dorothy Hodgkin Postgraduate Award, research council award, UK

### Citation Record

*Total citations: 1,648; h-index:19; h-index since 2017: 19* (Google Scholar Aug 06<sup>th</sup>, 2022)

## Top-10 selected Publications

Tiamani K, Luo S, Schulz S, Xue J, Costa R, Khan Mirzaei M & **Deng L\***. The role of virome in the gastrointestinal tract and beyond. **FEMS Microbiology Reviews**, 2022. doi:[10.1093/femsre/fuac027](https://doi.org/10.1093/femsre/fuac027)

Smith SE, Huang W, Tiamani K, Unterer M, Khan Mirzaei M, **Deng L\***. Emerging technologies in the study of the virome. **Current Opinion in Virology**, 2022. 54:101231. doi: [10.1016/j.coviro.2022.101231](https://doi.org/10.1016/j.coviro.2022.101231)

Ma T, Ru J, Xue J, Schulz S, Mirzaei MK, Janssen K-P, Quante M, **Deng L\***. Differences in Gut Virome Related to Barrett Esophagus and Esophageal Adenocarcinoma. **Microorganisms**. 2021; 9(8):1701. doi: [10.3390/microorganisms9081701](https://doi.org/10.3390/microorganisms9081701).

Khan Mirzaei M, **Deng L\***. New technologies for developing phage-based tools to manipulate the human microbiome. **Trends Microbiol**. 2021 May 18:S0966-842X(21)00118-9. doi: [10.1016/j.tim.2021.04.007](https://doi.org/10.1016/j.tim.2021.04.007).

Unterer M, Khan Mirzaei M, **Deng L\***. Gut Phage Database: phage mining in the cave of wonders. **Signal Transduction and Targeted Therapy**. 2021 May 17;6(1):193. doi: [10.1038/s41392-021-00615-2](https://doi.org/10.1038/s41392-021-00615-2).

Khan Mirzaei M, **Deng L\***. Sustainable Microbiome: a symphony orchestrated by synthetic phages. **Microb Biotechnol**. 2021 Jan;14(1):45-50. doi: [10.1111/1751-7915.13697](https://doi.org/10.1111/1751-7915.13697).

Mirzaei MK, Khan AK, Ghosh P, Taranu ZE, Tager M, Ru J, Chowdhury R, Kabir MD, **Deng L**, Mondal D and Maurice CF. Bacteriophages Isolated from Stunted Children Can Regulate Gut Bacterial Communities in an Age-Specific Manner. **Cell Host & Microbe**, 2022; 27 (2): 199-212. doi: [10.1016/j.chom.2020.01.004](https://doi.org/10.1016/j.chom.2020.01.004).

Dzunkova M, Low SJ, Daly JN, **Deng L**, Rinke C, Hugenholtz P. Defining the human gut host-phage network through single-cell viral tagging. **Nature Microbiology**, 2019;4(12):2192-2203. doi: [10.1038/s41564-019-0526-2](https://doi.org/10.1038/s41564-019-0526-2)

Elbehery AHA, Feichtmayer J, Singh D, Griebler C & **Deng L\***. The Human Virome Protein Cluster Database (HVPC): A Human Viral Metagenomic Database for Diversity and Function Annotation. **Frontiers in Microbiology**, 2018; 9, doi:[10.3389/fmicb.2018.01110](https://doi.org/10.3389/fmicb.2018.01110)

**Deng L**, Ignacio-Espinoza JS, Gregory A, Poulos PT, Weitz JS, Hugenholtz P, Sullivan MB. Viral tagging reveals discrete populations in *Synechococcus* viral genome sequence space, **Nature**, 2014, 513, 242-245. doi: [10.1038/nature13459](https://doi.org/10.1038/nature13459).

## Patent

**Deng L**, Xue J and Huang H, "BACTERICIDAL PHAGE VECTORS". Intl publication number: WO/2021/048257; Intl. Application number: PCT/EP2020/075289; Intl. Filing date: Sept. 10, 2020; Priority date: Sept. 11, 2019.