

Jiabin Huang
Institute of Medical Microbiology, Virology and Hygiene

Employment

Institute of Medical Microbiology, Virology and Hygiene
University Medical Center Hamburg-Eppendorf
Germany
01.01.2015 → gegenwärtig

Research outputs

Drug repurposing screen identifies lonafarnib as respiratory syncytial virus fusion protein inhibitor

Sake, S. M., Zhang, X., Rajak, M. K., Urbanek-Quaing, M., Carpentier, A., Gunesch, A. P., Grethe, C., Matthaei, A., Rückert, J., Galloux, M., Larcher, T., Le Goffic, R., Hontonnou, F., Chatterjee, A. K., Johnson, K., Morwood, K., Rox, K., Elgaher, W. A. M., Huang, J., Wetzke, M., Hansen, G., Fischer, N., Eléouët, J-F., Rameix-Welti, M-A., Hirsch, A. K. H., Herold, E., Empting, M., Lauber, C., Krey, T., Haid, S. & Pietschmann, T., 08.02.2024, In: NAT COMMUN. 15, 1, p. 1173

Pharmacokinetic/pharmacodynamic evaluation of tigecycline dosing in a hollow fiber infection model against clinical bla-KPC producing *Klebsiella Pneumoniae* isolates

Amann, L. F., Broeker, A., Riedner, M., Rohde, H., Huang, J., Nordmann, P., Decousser, J-W. & Wicha, S. G., 02.2024, In: DIAGN MICR INFEC DIS. 108, 2, p. 116153 116153.

A bacterial effector protein promotes nuclear translocation of Stat3 to induce IL-10.

Berneking, L., Bekere, I., Rob, S., Schnapp, M., Huang, J., Ruckdeschel, K. & Aepfelbacher, M., 12.2023, In: EUR J CELL BIOL. 102, 4, p. 151364 151364.

Rapid Development of cefiderocol resistance in a carbapenem-resistant *Pseudomonas aeruginosa* isolate associated with mutations in the pyoverdine biosynthesis pathway

Brakert, L., Berneking, L., Both, A., Berinson, B., Huang, J., Aepfelbacher, M., Wolschke, C., Wichmann, D. & Rohde, H., 09.2023, In: J GLOB ANTIMICROB RE. 34, p. 59-62 4 p.

First case of bloodstream infection caused by *Mixta hanseatica* sp. nov., a novel species within the *Mixta* genus of the *Erwiniaceae* family

Both, A., Huang, J., Wenzel, P., Aepfelbacher, M., Rohde, H., Christner, M. & Hentschke, M., 06.2023, In: NEW MICROB NEW INFEC. 53, p. 101117 101117.

IKK1 aggravates ischemia-reperfusion kidney injury by promoting the differentiation of effector T cells

Song, N., Xu, Y., Paust, H-J., Panzer, U., Noriega, M. D. L. M., Guo, L., Renne, T., Huang, J., Meng, X., Zhao, M. & Thaiss, F., 19.04.2023, In: CELL MOL LIFE SCI. 80, 5, p. 125

Genomics of Invasive *Cutibacterium acnes* Isolates from Deep-Seated Infections

Both, A., Huang, J., Hentschke, M., Tobys, D., Christner, M., Klatte, T. O., Seifert, H., Aepfelbacher, M. & Rohde, H., 28.03.2023, In: MICROBIOL SPECTR. 11, 2, p. e0474022

Respiratory Syncytial Virus Two-Step Infection Screen Reveals Inhibitors of Early and Late Life Cycle Stages

Sake, S. M., Kosch, C., Blockus, S., Haid, S., Gunesch, A. P., Zhang, X., Friesland, M., Trummer, S. B., Grethe, C., Kühnel, A., Rückert, J., Duprex, W. P., Huang, J., Rameix-Welti, M-A., Empting, M., Fischer, N., Hirsch, A. K. H., Schulz, T. F. & Pietschmann, T., 20.12.2022, In: ANTIMICROB AGENTS CH. 66, 12, e0103222.

A pharmacokinetic-pharmacodynamic (PKPD) model-based analysis of tedizolid against enterococci using the hollow-fibre infection model

Iqbal, K., Rohde, H., Huang, J., Tikiso, T., Amann, L., Zeitlinger, M. & Wicha, S., 25.08.2022, In: J ANTIMICROB CHEMOTH. 77, 9, p. 2470-2478 9 p.

Target capture sequencing reveals a monoclonal outbreak of respiratory syncytial virus B infections among adult hematologic patients

Baier, C., Huang, J., Reumann, K., Indenbirken, D., Thol, F., Koenecke, C., Ebadi, E., Heim, A., Bange, F-C., Haid, S., Pietschmann, T. & Fischer, N., 21.06.2022, In: *ANTIMICROB RESIST IN.* 11, 1, p. 88 88.

Mechanisms of CD8+ T cell failure in chronic hepatitis E virus infection

Kemming, J., Gundlach, S., Panning, M., Huzly, D., Huang, J., Lütgehetmann, M., Fischer, N. & Neumann-Haefelin, C., 16.05.2022, In: *J HEPATOL.* 77, 4, p. 978-990 13 p.

Population dynamics in colonizing vancomycin-resistant *Enterococcus faecium* isolated from immunosuppressed patients

Both, A., Kruse, F., Mirwald, N., Franke, G., Christner, M., Huang, J., Hansen, J. L., Kröger, N., Berneking, L., Lellek, H., Aepfelbacher, M. & Rohde, H., 03.2022, In: *J GLOB ANTIMICROB RE.* 28, p. 267-273 7 p.

***Yersinia* remodels epigenetic histone modifications in human macrophages**

Bekere, I., Huang, J., Schnapp, M., Rudolph, M., Berneking, L., Ruckdeschel, K., Grundhoff, A., Günther, T., Fischer, N. & Aepfelbacher, M., 11.2021, In: *PLOS PATHOG.* 17, 11, e1010074.

Complete genome sequencing and molecular characterization of SARS-COV-2 from COVID-19 cases in Alborz province in Iran

Kaffashi, A., Huang, J., Bairami, A., Fallah Mehrabadi, M. H., Yaslianifard, S., Bashashati, M., Banihashemi, S. R., Soleimanifar, F., Lotfi, M., Taghizadeh, M., Soleimani, A., Khorasani, A., Moshiri, F. & Mozhgani, S-H., 17.09.2021, In: *HELIYON.* 7, 9, e08027.

Vertically transferred maternal immune cells promote neonatal immunity against early life infections

Stelzer, I., Urbschat, C., Schepanski, S., Thiele, K., Triviai, I., Wieczorek, A., Alawi, M., Ohnezeit, D., Kottlau, J., Huang, J., Fischer, N., Mittrücker, H-W., Solano, M. E., Fehse, B., Diemert, A., Stahl, F. & Arck, P., 04.08.2021, In: *NAT COMMUN.* 12, 1, p. 4706

Benchmark of thirteen bioinformatic pipelines for metagenomic virus diagnostics using datasets from clinical samples

de Vries, J. J. C., Brown, J. R., Fischer, N., Sidorov, I. A., Morfopoulou, S., Huang, J., Munnink, B. B. O., Sayiner, A., Bulgurcu, A., Rodriguez, C., Gricourt, G., Keyaerts, E., Beller, L., Bachofen, C., Kubacki, J., Samuel, C., Florian, L., Dennis, S., Beer, M., Hoepfer, D., Huber, M., Kufner, V., Zaheri, M., Lebrand, A., Papa, A., van Boheemen, S., Kroes, A. C. M., Breuer, J., Lopez-Labrador, F. X., Claas, E. C. J. & ESCV Network on Next-Generation Sequencing, 08.2021, In: *J CLIN VIROL.* 141, 104908.

An inter-laboratory study to investigate the impact of the bioinformatics component on microbiome analysis using mock communities

O'Sullivan, D., Doyle, R., Temisak, S., Redshaw, N., Whale, A., Logan, G., Huang, J., Fischer, N., Amos, G., Preston, M., Marchesi, J., Wagner, J., Parkhill, J., Motro, Y., Denise, H., Finn, R., Kay, G., O'Grady, J., Ransom-Jones, E., Wu, H., Laing, E., Benavente, E., Phelan, J., Clark, T., Moran-Gilad, J. & Huggett, J., 19.05.2021, In: *SCI REP-UK.* 11, 1, p. 10590

Simulation of Folding Kinetics for Aligned RNAs

Huang, J. & Voß, B., 26.02.2021, In: *GENES-BASEL.* 12, 3, 347.

Distinct clonal lineages and within-host diversification shape invasive *Staphylococcus epidermidis* populations

Both, A., Huang, J., Qi, M., Lausmann, C., Weißelberg, S., Büttner, H., Lezius, S., Failla, A. V., Christner, M., Stegger, M., Gehrke, T., Baig, S., Citak, M., Alawi, M., Aepfelbacher, M. & Rohde, H., 02.2021, In: *PLOS PATHOG.* 17, 2, p. e1009304

SARS Coronavirus-2 variant tracing within the first Coronavirus Disease 19 clusters in northern Germany

Pfefferle, S., Günther, T., Kobbe, R., Czech-Sioli, M., Nörz, D., Santer, R., Oh, J., Kluge, S., Oestereich, L., Peldschus, K., Indenbirken, D., Huang, J., Grundhoff, A., Aepfelbacher, M., Knobloch, J. K., Lütgehetmann, M. & Fischer, N., 01.2021, In: *CLIN MICROBIOL INFEC.* 27, 1, p. 130.e5-130.e8

Strong Replication Interference Between Hepatitis Delta Viruses in Human Liver Chimeric Mice

Giersch, K., Hermanussen, L., Volz, T., Volmari, A., Allweiss, L., Sureau, C., Casey, J., Huang, J., Fischer, N., Lütgehetmann, M. & Dandri, M., 2021, In: *FRONT MICROBIOL.* 12, p. 671466

Complete Genome Sequence of a SARS-CoV-2 Strain Isolated in Northern Germany

Pfefferle, S., Huang, J., Nörz, D., Indenbirken, D., Lütgehetmann, M., Oestereich, L., Günther, T., Grundhoff, A., Aepfelbacher, M. & Fischer, N., 04.06.2020, In: MICROBIOL RESOUR ANN. 9, 23

Changes in the composition of the upper respiratory tract microbial community in granulomatosis with polyangiitis

Lamprecht, P., Fischer, N., Huang, J., Burkhardt, L., Lütgehetmann, M., Arndt, F., Rolfs, I., Kerstein, A., Iking-Konert, C. & Laudien, M., 02.2019, In: J AUTOIMMUN. 97, p. 29-39 11 p.

T-lymphocyte-specific knockout of IKK-2 or NEMO induces T17 cells in an experimental nephrotoxic nephritis mouse model

Guo, L., Huang, J., Chen, M., Piotrowski, E., Song, N., Zahner, G., Paust, H-J., Alawi, M., Geffers, R. & Thaiss, F., 02.2019, In: FASEB J. 33, 2, p. 2359-2371 13 p.

Emergence of ceftazidime/avibactam non-susceptibility in an MDR Klebsiella pneumoniae isolate

Both, A., Büttner, H., Huang, J., Perbandt, M., Belmar Campos, C., Christner, M., Maurer, F. P., Kluge, S., König, C., Aepfelbacher, M., Wichmann, D. & Rohde, H., 01.09.2017, In: J ANTIMICROB CHEMOTH. 72, 9, p. 2483-2488

First report of Escherichia coli co-producing NDM-1 and OXA-232

Both, A., Huang, J., Kaase, M., Hezel, J., Wertheimer, D., Fenner, I., Günther, T., Grundhoff, A., Büttner, H., Aepfelbacher, M., Rohde, H. & Hentschke, M., 12.2016, In: DIAGN MICR INFEC DIS. 86, 4, p. 437-438 2 p.

Autoimmune Renal Disease Is Exacerbated by S1P-Receptor-1-Dependent Intestinal Th17 Cell Migration to the Kidney

Krebs, C. F., Paust, H-J., Krohn, S., Koyro, T., Brix, S. R., Riedel, J-H., Bartsch, P., Wiech, T., Meyer-Schwesinger, C., Huang, J., Fischer, N., Busch, C. P., Mittrücker, H-W., Steinhoff, U., Stockinger, B., Perez, L. G., Wenzel, U. O., Janneck, M., Steinmetz, O. M., Gagliani, N., Stahl, R. A. K., Huber, S., Turner, J-E. & Panzer, U., 15.11.2016, In: IMMUNITY. 45, 5, p. 1078-1092 15 p.

Analysing RNA-kinetics based on folding space abstraction

Huang, J. & Voß, B., 2014, In: BMC BIOINFORMATICS. 15, 1, p. 60

RNA folding space analysis using structure abstraction

Huang, J., 2014, 119 p.

Reducing the search space in RNA helix based folding. European Conference on Computational Biology

Huang, J. & Voß, B., 09.09.2012, *European Conference on Computational Biology (ECCB) 2012*.

Abstract folding space analysis based on helices

Huang, J., Backofen, R. & Voß, B., 2012, In: RNA. 18, 12, p. 2135-2147

RNAHeliCes – Folding space analysis based on position aware structure abstraction

Huang, J. & Voß, B., 2011, In *Proceedings of the German Conference on Bioinformatics 2011*. p. RT--31