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## Employment

### Doctoral Researcher

Department of Virology  
University of Helsinki  
Finland  
1 Mar 2022 → present

### Helsinki One Health (HOH)

University of Helsinki  
HELSINGIN YLIOPISTO, Finland  
17 Nov 2021 → present

### Doctoral Researcher, Doctoral Programme in Microbiology and Biotechnology

University of Helsinki  
Finland  
1 Mar 2022 → present

### Editor

The Science Basement  
Finland  
1 Jan 2023 → present

## Publications

### Baseline gene expression differentiates the T cell response kinetics to BNT162b2 vaccination

Venkat, V., 17 Sept 2024.

### Evolution and genetic characterization of Seoul virus in wild rats *Rattus norvegicus* from an urban park in Lyon, France 2020-2022

Alburkat, H., Smura, T., Bouilloud, M., Pradel, J., Anfray, G., Berthier, K., Dutra, L., Loiseau, A., Niamsap, T., Olander, V., Sepulveda, D., Venkat, V., Charbonnel, N., Castel, G. & Sironen, T., 1 May 2024, In: PLoS Neglected Tropical Diseases. 18, 5, 15 p., e0012142.

### Hibernating Bats are a Weak Source for Biomonitoring of Coronaviruses

Goll, A., Dutra, L., Nowicka, J., Sgarabotto, E., Venkat, V., Apoznański, G., Kokurewicz, T., Rachwald, A., Rabalski, L., Alburkat, H., Virtanen, J., Sironen, T., Kant, R., Bourret, V. & Grzybek, M., 1 Apr 2024, In: One Health. 18, 5 p., 100733.

### Suitability of saliva for NGS-based respiratory virus diagnostic surveillance

Venkat, V., 21 Mar 2024.

### SARS-CoV-2 transmission, infection, and susceptibility in Neovison vison

Venkat, V., 4 May 2023.

### Understanding SARS-CoV-2 transmission, infection, and susceptibility in Neovison vison

Venkat, V., 30 Mar 2023.

### **Serologic Surveillance for SARS-CoV-2 Infection among Wild Rodents, Europe**

Bourret, V., Dutra, L., Alburkat, H., Mäki, S., Lintunen, E., Wasniewski, M., Kant, R., Grzybek, M., Venkat, V., Asad, H., Pradel, J., Bouilloud, M., Leirs, H., Colombo, V. C., Sluydts, V., Stuart, P., McManus, A., Eccard, J. A., Firozpoor, J. & Imholt, C. & 6 others, Nowicka, J., Goll, A., Ranc, N., Castel, G., Charbonnel, N. & Sironen, T., Dec 2022, In: *Emerging Infectious Diseases*. 28, 12, p. 2577-2580 4 p.

### **Understanding SARS-CoV-2 transmission, host infection and susceptibility in minks**

Venkat, V., Niamsap, T., Aaltonen, K., Virtanen, J., Malmgren, R. A., Kegler, K., Chawla, T., Dutra, L. A. L., Ooi, E. E. & Sironen, T., 7 Nov 2022, p. 396. 1 p.

### **SARS-CoV-2 indoor environment contamination with epidemiological and experimental investigations**

Oksanen, L.-M. A. H., Virtanen, J., Sanmark, E., Rantanen, N., Venkat, V., Sofieva, S., Aaltonen, K., Kivistö, I., Svirskaitė, J., Pérez, A. D., Kuula, J., Levanov, L., Hyvärinen, A.-P., Maunula, L., Atanasova, N. S., Laitinen, S., Anttila, V.-J., Lehtonen, L., Lappalainen, M. & Geneid, A. & 1 others, Sironen, T., Oct 2022, In: *Indoor air*. 32, 10, 17 p., 13118.

### **Experimental Infection of Mink with SARS-COV-2 Omicron Variant and Subsequent Clinical Disease**

Virtanen, J. M. E., Aaltonen, K., Kegler, K., Venkat, V., Niamsap, T., Kareinen, L., Kivela, O., Malmgren, R. A., Atanasova, N., Osterlund, P., Smura, T., Sukura, A., Strandin, T., Dutra, L., Vapalahti, O., Nordgren, H., Kant, R. & Sironen, T., 16 Jun 2022, In: *Emerging Infectious Diseases*. 28, 6, p. 1286-1288 3 p.

### **SARS-CoV-2 Air and Surface Contamination on a COVID-19 Ward and at Home**

Oksanen, L. M. A. H., Virtanen, J., Sanmark, E., Rantanen, N., Venkat, V., Sofieva, S., Aaltonen, K., Kivistö, I., Svirskaitė, J., Pérez, A. D., Kuula, J., Levanov, L., Hyvärinen, A. P., Maunula, L., Atanasova, N. S., Laitinen, S., Anttila, V. J., Lehtonen, L., Lappalainen, M. & Geneid, A. & 1 others, Sironen, T., 2022, *17th International Conference on Indoor Air Quality and Climate (INDOOR AIR 2022)*. Red Hook: Curran Associates Inc.

### **Method development for SARS-CoV-2 aerosol sampling**

Venkat, V., 12 May 2021, University of Helsinki.

## **Projects**