OMB No. 0925-0001 and 0925-0002 (Rev. 09/17 Approved Through 03/31/2020)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
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NAME: Jonna AK Mazet

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Professor of Epidemiology and Disease Ecology; Executive Director, One Health Institute

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

| INSTITUTION AND LOCATION | DEGREE(if applicable) | Completion DateMM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| University of California, Davis, California | BS | 1990 | Veterinary Science |
| University of California, Davis, California | DVM | 1992 | Wildlife Medicine |
| University of California, Davis, California | MPVM | 1992 | Infectious Disease Epidemiology |
| University of California, Davis, California | PhD | 1996 | Epidemiology |
|  |  |  |  |

**A. Positions and Honors**

**Positions and Employment**

1996 – 1998 Assistant Adjunct Professor, Department of Medicine and Epidemiology, UC Davis

1994 – 1998 Wildlife Veterinarian, California Department of Fish and Wildlife

1998 – 2006 Assistant and Associate Professor of Epidemiology and Disease Ecology, UC Davis

1998 – 2014 Director, Wildlife Health Center, School of Veterinary Medicine, UC Davis

2006 – Present Professor of Epidemiology and Disease Ecology, UC Davis

2009 – Present Executive Director, One Health Institute, UC Davis

**Honors**

2012 Outstanding Alumna Award, University of California, Davis

2012 Oscar W. Schalm Lecturer in Veterinary Medicine, University of California, Davis

2013 Elected to the (US) National Academy of Medicine (formerly Institute of Medicine)

2015 American Veterinary Epidemiology Society Honorary Diplomate

2015 Poppensiek Lecturer in Global Animal Health, Cornell University

2016 Leiter Lecturer, National Library of Medicine (NIH) and National Medical Library Association

2016 Schofield Metal, Ontario Veterinary College, University of Guelph

2016 Zoetis Award for Veterinary Research Excellence

2017 Honorable Mention, Remarkable Women of UC, University of California, Office of the President

2017 Inaugural Hall-Sewankambo Mid-Career Global Health Award, Cons. of Universities for Global Health

2017 UC Davis School of Veterinary Medicine Alumni Achievement Award

2017 Fellow, American Association for the Advancement of Science (AAAS)

**B. Recent Relevant Publications**

2019 Montecino-Latorre D, Rudd J, Cypher B, Clifford D, **Mazet J\***, Foley J\*. Assessing the role of dens in the spread,

establishment, and persistence of sarcoptic mange in an endangered canid. *Epidemics*. [doi.org/10.1016/j.epidem.2019.01.001](https://doi.org/10.1016/j.epidem.2019.01.001) **(\*joint senior authors)**

2018 Bird B, **Mazet J**. Detection of emerging zoonotic pathogens: An integrated One Health approach.

*Annual Review of Animal Biosciences*, 2018.6: 121-139.

2018 Carroll D, Daszak P, Wolfe N, Gao G, Morel C, Morzaria S, Pablos-Méndez A, Tomori O, **Mazet J**. The Global

Virome Project. *Science*, 359(6378): 872-874.

2018 Goldstein T, Anthony S, Gbakima A, Bird B, Bangura J, Tremeau-Bravard A, Belaganahalli

M, Wells H, Dhanota J, Liang E, Grodus M, Jangra R, DeJesus V, Lasso G, Smith B, Jambai A, Kamara B, Kamara S, Bangura W, Monagin C, Shapira S, Johnson C, Saylors K, Rubin E, Chandran K, Lipkin W, **Mazet J.** The discovery of Bombali virus adds further support for bats as hosts of ebolaviruses. *Nature Microbiology* doi.org/10.1038/s41564-018-0227-2.

2018 Evans T, Tutaryebwa L, Gilardi K, Barry P, Marzi A, Eberhart M, Ssebide B, Cranfield M,

Mugisha O, Mugisha E, Kellermann S, **Mazet J**, Johnson C. Suspected Exposure to Filoviruses Among People Contacting Wildlife in Southwestern Uganda. *The Journal of infectious diseases*. 10.1093/infdis/jiy251.

2018 Togami E, Gardy J, Hansen G, Poste G, RizzoD, Wilson M, **Mazet J**. Core Competencies in One Health

Education: What Are We Missing? *National Academy of Medicine Perspectives*, doi.org/10.31478/201806a.

2017 Anthony S, Johnson C, Greig D, Kramer S, Che X, Wells H, Hicks A, Joly D, Wolfe N, Daszak P,

Karesh W, Lipkin W, Morse S, **Mazet J\***, Goldstein, T\* **(\*joint senior authors**). Global patterns in coronavirus diversity. *Virus evolution*, 3(1): vex012.

2017 Anthony S, Gilardi K, Menachery V, Goldstein T, Ssebide B, Mbabazi R, Navarrete-Macias I, Liang E,

Wells H, Hicks A, Petrosov A, Byarugaba D, Debbink K, Dinnon K, Scobey T, Randell S, Yount B, Cranfield M, Johnson C, Baric R, Lipkin W, **Mazet J**. Further evidence for bats as the evolutionary source of MERS Coronavirus. *mBio* 8(2); pii: e00373-17.

2017 Kelly T, Karesh W, Johnson C, Gilardi K, Anthony S, Goldstein T, Olson S, Machalaba C, PREDICT Consortium,

**Mazet J**. One Health proof of concept: Bringing a transdisciplinary approach to surveillance for zoonotic viruses at the human-wild animal interface. *Journal of Preventive Veterinary Medicine:* 137(B): 112–118.

2016 Shender L, Niemela M, Conrad P, Goldstein T, **Mazet J**. Habitat Management to Reduce

Human Exposure to *Trypanosoma cruzi* and Western Conenose Bugs (*Triatoma protracta*). *EcoHealth*, 10.1007/s10393-016-1153-5.

2016 VanWormer E, Carpenter T, Singh P, Shapiro K, Wallender W, Conrad P, Largier J, Maneta M, **Mazet**

**J**. Coastal development and precipitation drive pathogen flow from land to sea: evidence from a *Toxoplasma gondii* and felid host system. *Nature Scientific Reports.* doi: 10.1038/srep29252.

2016 Wolking D, Clifford D, Kelly T, Kamani E, Smith W, Kazwala R, **Mazet J**. Boma to banda – A disease

sentinel concept for reduction of diarrhoea. *Pastoralism: Research, Policy and Practice* doi:10.1186/s13570-016-0059-8, 6(13).

2015Anthony S, Islam A, Johnson C, Navarrete-Macias I, Liang E, Jain K, Hitchens P, Che X,

Soloyvov A, Hicks A, Ojeda-Flores R, Zambrana-Torrelio C, Ulrich W, Rostal M, Petrosov A, Garcia J, Haider N, Wolfe N, Goldstein T, Morse S, Rahman M, Epstein J, **Mazet J**, Daszak P, Lipkin W. Non-random patterns in viral diversity. *Nature Communications*, 10.1038/ncomms9147, 6: 8147.

2015Johnson C, Hitchens P, Evans T, Goldstein T, Thomas K, Clements A, Joly D, Wolfe N, Daszak P,

Karesh W, **Mazet J**. Spillover and pandemic properties of zoonotic viruses with high host plasticity. *Nature Scientific Reports* doi:10.1038/srep14830, 5: 14830.

2015 Randhawa N, Gulland F, Ylitalo G, DeLong R, **Mazet J**. Sentinel California sea lions provide

insight into legacy organochlorine exposure trends and their association with cancer and infectious disease. *One Health* doi:10.1016/j.onehlt.2015.08.003, 1: 37-43.

2015 Rejmanek, D, Hosseini, P, **Mazet, J**, Daszak, P, Goldstein, T. Evolutionary dynamics and

global diversity of influenza A virus. *Journal of Virology*, doi: 10.1128/JVI.01573-15.

2014 Schwind J, Wolking D, Brownstein J, PREDICT Consortium, **Mazet J**, Smith W. Evaluation of local media

surveillance for improved disease recognition and monitoring in global hotspot regions. *PLoS ONE*, 9(10): e110236.

2012 Morse S, **Mazet J**, Woolhouse M, Parrish C, Carroll D, Karesh W, Zabrana-Torrelio C, Lipkin W, Daszak P.

Prediction and prevention of the next pandemic zoonosis. *The Lancet*, 380(9857): 1956-65.

2009 **Mazet J**, Clifford D, Coppolillo P, Deolalikar A, Erickson J, Kazwala R. A ‘‘One Health’’

Approach to Address Emerging Zoonoses: The HALI Project in Tanzania. *PLoS Medicine*, 6(12): e1000190.

**C. Current or Recent Extramural Funding**

**Ongoing Research Support**

**Title:** One Health Workforce – Next Generation

**Agency:** US Agency for International Development

**Amount:** $85,000,000

**Date(s):** 10/01/2019 – 09/30/2024

**PI/Co-PI:** Principal Investigator

**Title:** Emerging Pandemic Threats (EPT-2)Program PREDICT-2

**Agency:** US Agency for International Development

**Amount:** $138,000,000 (PREDICT-1 & 2 combined $213,000,000)

**Date(s):** 10/01/2014 – 03/31/2019

**PI/Co-PI:** Principal Investigator (30 countries)