



Who's Who in One Health



www.aequorinc.com.

1. **Organization/ Group Name and website url:** Aequor, Inc. - www.aequorinc.com.

2. **Description and Scope of One Health Activities:**

Aequor has developed a large portfolio of “green,” non-toxic chemicals that can replace toxic, ineffective biocides and antibiotics to control bacteria and fungi. Twenty-five of Aequor’s chemicals are approved under the U.S. Toxic Substances Control Act (TSCA) and are validated by USDA, DOE, NASA and several private labs to remove contamination from all surfaces: farm, community, household, hospital – and environmental, including on the surface of water itself. Aequor’s chemicals remove biofilm in minutes and prevent its formation for days. Several also kill the antimicrobial-resistant (AMR) bacteria, fungi alone, in combination with each other, and in combination with obsolete antibiotics, like Penicillin, “potentiating” them to kill the AMR pathogens.

3. **Key Collaborators / Participants and contact information**

Johnson & Johnson Innovation -JLabs San Diego
Kara Bortone, Director kbortone@its.jnj.com

Biotechnology Innovation Organization
Greg Frank, AMR Working Group - gfrank@bio.org

4. **Type of Organization**

- **Private, For Profit / Corporate.** – Aequor is a Delaware C corporation with a wholly-owned subsidiary in the UK, Aequor Ltd. Both are Women-Owned Small Businesses.

5. Address of Organization/ Group

Aequor, Inc.
3210 Merryfield Row
San Diego CA 92121 - USA

6. Sources of funding for Organization/Group

Aequor has raised \$1.3 million in cash and >\$4M in grants and awards as of June 2019.

7. One Health Course/Certificate/Training Offered by Organization or Group

Title of Course/Certificate/Training: Biofilm testing and training
Contact person's name and email: Cynthia Burzell, Ph.D. – cburzell@aequorinc.com
Link to informational web page: www.aequorinc.com

8. Other One Health Activities/Initiatives - (Symposiums, Summits, Workshops, Discussion Series, etc)

Title/description of program: UN General Assembly High Level Meetings on Antimicrobial Resistance – September 2016. Speak on Biofilm at side meetings.

Contact person's name and email:

Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://sdg.iisd.org/news/unga-adopts-political-declaration-on-antimicrobial-resistance-discusses-links-with-sdgs>

Title/description of program: Presentation of Aequor's contribution to One Health at Green Chemistry and Commerce - Green and BioBased Startup Network

Contact person's name and email:

Marilyn Bruno, Ph.D., J.D. mbruno@aequorinc.com; Cynthia Burzell, Ph.D. - cburzell@aequorinc.com

<http://www.greenchemistryandcommerce.org/startup-network/>

Title/description of program: Presentation on Aequor AMR remedies and One Health at EU Pharmaceutical Microbiology West Coast in San Diego

Contact person's name and email:

Marilyn Bruno, Ph.D., J.D. mbruno@aequorinc.com

<https://www.smi-online.co.uk/pharmaceuticals/northamerica/conference/Microbiology-USA>

Title/description of program: Presentation on Aequor AMR remedies and One Health at the BIO International Convention in San Diego, 2017

Contact person's name and email: Cynthia Burzell, Ph.D. - cburzell@aequorinc.com

Title/description of program: Presentation on Aequor AMR remedies and One Health - Outsourced Pharma Convention

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<http://www.californiatechnology.org/events/2017/10/17/partner-event-outsourced-pharma-2017>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the BIO Investor Forum

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://www.bio.org/events/bio-investor-forum/schedule-of-events>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the Drugging the Undruggable conference

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<http://blog.apuit.com/blog/drugging-the-undruggable-how-do-we-put-next-generation-targets-within-our-reach>

Title/description of program: Organize and lecture at One Health Day event on One Health at JLABs San Diego

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://www.innovation.com/international-one-health-day-addressing-antimicrobial-resistance>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the Corporate Venturing and Innovation Summit

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://10times.com/global-corporate-venturing-and-innovation-summit-h>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the Chemical Ventures Conference

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://www.aiche.org/conferences/chemical-ventures-conference/2019>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the Global Entrepreneurship Summit (GES)

Contact person's name and email: : Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://www.ges2019.org/>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the San Diego Entrepreneurs Exchange (SDEE) Angel Investor Education Panel

Contact person's name and email: Marilyn Bruno, Ph.D., J.D. - mbruno@aequorinc.com

<https://www.sdentrepreneurs.org/calendar>

Title/description of program: Presentation of Aequor AMR remedies and One Health at the Biofilm Conference Montana State University Center for Biofilm Conference

Contact person's name and email: Cynthia Burzell, Ph.D. - cburzell@aequorinc.com

<http://www.biofilm.montana.edu/industry-program/special-invitation.html>

9. Brief History of Your Organization's One Health Involvement

From 1992 to 2008, Marilyn Bruno was an Economic Officer in the State Department Foreign Service. She participated in conferences at the UN FAO Codex Alimentarius (food safety, minimum pesticide levels, food security), Convention on Biological Diversity (environmental impacts of biocides and antibiotics), Cartagena Protocol on Biosafety (international food safety), and was the State Department point person for pandemic threats during the bird and swine flu epidemics. Dr. Bruno met with stakeholders at the OIE, FAO, WHO and other organizations and government agencies developing the framework for sharing information among the three pillars of health (environment, animals and people), and creating mechanisms for all governments to rapidly share information in order to identify the origins of epidemics and coordinate the containment and treatment.

The emergence of antimicrobial-resistant (AMR) pathogens has heightened the need for these frameworks, which were called "One Health" in 2007. Dr. Bruno founded Aequor, Inc. in 2006 with Dr. Cynthia Burzell, Marine and Medical Microbiologist, to develop remedies for bacterial and fungal contamination and infection – including AMR -- in environmental, animal and human vectors. She retired from the State Department in 2008 to become CEO of Aequor.

Drs. Burzell and Bruno have spoken about One Health at every conference they have participated in for over eleven years (some of which are listed above) and have included a description of One Health on the Aequor website since its creation in 2008. Dr. Bruno was honored to be invited to speak at the United Nations General Assembly High Level Meetings on AMR in 2016 and applauds all efforts to explain the critical importance of the One Health goals.

Additional Information

Aequor offers biofilm testing and monitoring services, training in environmental sanitation for farm, food processing, public building, institutional and clinical facilities operators and managers, and advanced water treatments. Aequor seeks collaborators to develop Over the Counter and prescription therapeutics containing our superior antibiofilm chemicals. Please contact us for further information.



Marilyn Bruno, PhD, J.D.



Cynthia Burzell, Ph.D.

Co-Founders of Aequor, Inc