

**From:** Kim Follien <[follien.kim@gene.com](mailto:follien.kim@gene.com)>

**Sent:** Thursday, January 26, 2023 12:01 AM

**To:** Padilla, Ingrid <[ipadilla@ci.brisbane.ca.us](mailto:ipadilla@ci.brisbane.ca.us)>

**Subject:** Regarding the 1/26/2023 Planning Commission Meeting/ Zoning Text Amendment 2022-RZ-4

Hi Ingrid,

Could you please forward this to the Planning Commission:

Dear Planning Commissioners,

I'm here to request that you reject Zoning Text Amendment 2022-RZ-4. The FDA typically requires drugs for human use to be tested on one rodent species and a non-rodent species prior to human clinical trials. One example is the mRNA COVID 19 vaccines made by Pfizer and Moderna, which the city recommended that we all get. They were tested on rodents and non-human primates. Additionally heart drugs typically need to be tested on Pigs, as rodents aren't a good human model. Limiting animal testing in Brisbane to only rodents, amphibians and insects is really limiting animal testing to just rodents, as I know of no human drug development that can use insects or amphibians.

While a recent U.S. law has eliminated the requirement that all drugs in development must undergo testing in animals prior to human clinical trials, the alternate testing methods, such as computer modeling are still quite limited, so won't work for all drugs, nor has any drug been approved yet using these alternate methods. I can tell you that the Pharmaceutical Industry will gladly use these alternative methods if they can because it reduces the time and cost of drug development, compared to animal testing.

Drug Development Scientists are the ones that should be determining what type of testing is best suited to ensure a safe drug for human use, not the Brisbane City Council. There are Brisbane residents that have benefitted and will benefit from drugs tested on animals, other than rodents. I highly doubt most Brisbane residents would refuse a vaccine or life saving drug for themselves or their children if it was tested on a non-rodent species, so this zoning text amendment makes no sense, is NIMBY, and is just providing an illusion that Brisbane rejects animal testing. The Biotechnology companies will just go somewhere else to do their drug development and Brisbane residents will continue to take those life saving drugs and vaccines.

Link to NPR article regarding the new US law no longer requiring animal testing:

<https://www.npr.org/2023/01/12/1148529799/fda-animal-testing-pharmaceuticals-drug-development>

Best Regards,

Kim Follien

Brisbane Resident, and have been working in the Biotech Industry for the last 36 years

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