

# ***The 2020 ICR Scientific Research Advisory Board Meeting***

## ***Meeting Minutes***

1/28/2020

### **I. Call to order**

Dr. Sang Park called to order the regular meeting of the SRAB at 10:04 am on 1/28/20 at OSC 205 Blue Spruce room.

### **II. Roll call**

Zack Montoya accounted for all present attendees: Robert Sievers, Ph.D (CU Boulder Chemistry and Biochemistry and Environmental Studies Program), Joseph DiVerdi, Ph.D. (CSU-Fort Collins, Associate Professor of Chemistry), Joanna Zeiger, Ph.D. (Founder, Canna Research Group), Kyle Hill (M.D student, Co-founder, Scientific Partnership to Educate, Advocate, and Research) Sang Park, Ph.D. (ICR Senior Scientist / Research Liaison) 10:04 am

### **III. Open issues 10:06-10:45 am**

- a) Dr. Malik Hassan has resigned from the SRAB and is now a member of the Governing Board.

Other members of this board include:

- Maureen Leehey of Centennial, Colorado, to serve as a scientist from a relevant field, appointed;
- Malik Muhammad Hasan of Pueblo, Colorado, to serve as a member associated with cannabis-related industries, appointed;
- Sherard Marshon Rogers of Denver, Colorado, to serve as a member associated with cannabis-related industries, appointed;
- Salvatore Pace of Pueblo, Colorado, to serve as a member associated with cannabis-related industries, appointed;
- John Desmond Lord of Golden, Colorado, to serve as a member associated with cannabis related industries, appointed;
- L. Cinnamon Bidwell of Boulder, Colorado, to serve as a scientist from a relevant field and as Chair, appointed;
- Suzanne A. Sisley of Scottsdale, Arizona, to serve as a scientist from a relevant field, appointed.

- b) Governing boards duties and responsibilities outlined in the most recent updates include (current agenda and most recent meeting minutes on the ICR website):
- Overseeing and approving of the annual budget for ICR.
    - This may increase up to 2 million from current 1.8 million to fund research in Colorado outside of CSU-Pueblo.
    - Have been working on recommendations for curriculum for a cannabis degree program.
      - They have expressed concerns about using the word “cannabis” in the title of this program to avoid negative connotations.
        - Dr. DiVerdi and others feel that the use of the word cannabis is a world accepted term and that it does not imply drugs as would using the term “marijuana”, therefore it could be offset using “hemp and cannabis” in the title.
        - Dr. Park asked for any other name suggestions and will take these recommendations to the governing board.
  - Questions addressed by the SRAB group:
    - Dr. DiVerdi asked what authority does the board have to approve curriculum? Dr. Park answered that they are just providing feedback and recommendations on the process and are not directly involved in the approval or development of new curriculum.
    - Dr. Park asked how should the concept of THC be addressed in the curriculum? Specifically, he would like to know if it should be included as a lab component, or just be left as a topic in a lecture class? Dr. DiVerdi answered that he would like to see it as a major component of both, as it is the most psychoactive component, has well documented physiological effects, and be limited to very low quantities derived from

hemp. He also suggested that this be age limited and to upper-division courses only.

c) ICR Grant RFA and Rubric 10:27 am:

- Currently waiting for budget agreement from Governing board and when this happens another meeting will be held to update the SRAB.
  - Dr. Sievers asked if Ft. Collins had received the full \$1.5 million Grant. Dr. Diverdi answered that he had and that it was for setting up a chemistry laboratory to study cannabis and that he was willing to work collaboratively in this space. He is also excited to do undergrad and graduate research too.
- Dr. Park would like to make the ICR a state certified testing lab. With the goal of cannabinoid profiling to certifying hemp and CBD products to meet the regulatory standards of the Farm Bill.
- Dr. Joanna Zeiger asked about the timeline for the RFA.
  - Dr. Park answered: Last year the RFA was released in October and the Grant deadline was February 5. The review of these grant proposals was released by May. Therefore, this year hoping for a release of the RFA in February with an April deadline and an expected similar release of reviews in May. This is not a set timeline and no hard dates were given.
- Kyle Hill asked about the curriculum and if this will be considered for medical school courses.
  - Dr. Park answered that mainly undergraduate courses have been considered and that even this was still in development, so no medical school courses have been considered. The main goal is to educate people to work in the industry and provide basic scientific understanding.
- Dr. Sievers asked: How do we do clinical trials without MDs?
  - He mentioned some of the resources he has available including instrumentation and samples.
  - Dr. Park answered that if the budget is increased for the next fiscal year that the ICR is willing to support research across the state of Colorado and that clinical trials may be possible.

- d) 2020 ICR conference program update:
- 113 Abstracts have been submitted, 2 have been rejected.
  - 40 early registrants
  - Preliminary program expected to be available next week

**IV. New business** 10:46-11:04 am

- a) International and Future Collaborations:
- Konkuk University, South Korea and the ICR are collaborating to test CBD on Rheumatoid Arthritis and breast cancer from January to May of 2020.
  - Chuncheon Bioindustry Foundation (CBF), Chuncheon City, South Korea will be visiting the ICR February 10-12, 2020.
    - Main goals of the CBF will be to gain knowledge of the hemp industry in Colorado.
      - MOU with the ICR
      - Visit relevant labs and businesses
    - It may be possible for the CBF to visit other universities in Ft. Collins and Boulder.
- b) Final Comments and Questions:
- Dr. Sievers: Are they [CBF] interested in licenses?
    - Dr. Park: No, they are looking for information about extraction and purification of CBD.
  - Dr. Sievers and Dr. DiVerdi: Wanted more details on the ICR conference.
    - Talks or Posters?
      - A preliminary program will be released by next week.
    - Will there be group registration possible?

- Dr. Park is expecting this to be possible and will confirm when possible.

c) Next Meeting: Not set, but expected to take place during the ICR conference in April.

## **V. Adjournment**

Dr. Sang Park adjourned the meeting at 11:05 am.

Minutes submitted by: Zack Montoya

Minutes approved by: Dr. Sang Park