University of California, Irvine  
Study Information Sheet  

The BigDIPA: Big Data Image Processing & Analysis  

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- You are being asked to participate in a research study to assess the effectiveness of instruction and impact of a short workshop course focused on the theme of “Big Data Image Processing and Analysis. The course aims to provide instruction to scientific researchers along the whole pipeline from framing biological questions dependent on big data imaging techniques, to image acquisition, data storage and handling, computational processing, statistical and bioinformatics theory and data visualization.

- The research study procedures involve analyzing data obtained from standard course activities. These include completing an anonymous course questionnaire to evaluate performance of course components, including lectures, lecturers, tutorials, resources, and scientific content; participants may also volunteer to be interviewed by an external evaluator to provide greater in-depth critique of course performance. Interviews will be conducted via phone or at a campus location separate from the course instruction. In addition, participants will also be asked to complete a pre-course survey to assess their baseline knowledge and skills relevant to the course theme. A post-course survey will assess effectiveness of the course instruction for teaching new knowledge and skills. Long-term impacts from course participation will be assessed by contacting course alumni annually for 3 years after workshop participation to inquire about current career status and progression, e.g. change in career track or any scientific articles published during this period that are relevant to the course theme. The course evaluation, surveys and interviews are expected to take less than 30 minutes each to complete.

- All students accepted to this workshop course are automatically enrolled in the study but participation in this study is voluntary. There is no cost to you for participating. By participating in this study, you authorize the lead and co-researchers above to obtain and analyze your course evaluation feedback, assess your course-relevant knowledge and follow your career progression (as stated above). You may choose to skip a question or a study procedure. You are free to discontinue and withdraw from this study at any time without penalty. If you would prefer your data not be used in our analysis, please contact any of the researchers above by email and say you would prefer to not participate. **Opting out has no effect on course participation; there are no grades provided for the course.**
• **Investigator Financial Conflict of Interest:** Dr. Kohne has financial interests in SmartStart, a company with interests related to this study. Dr. Kohne is the President of SmartStart, received salary income and has equity interests in the company. Dr. Kohne is not a paid employee of the University of California, Irvine.

The nature of this financial interest and the design of the study have been reviewed by the UCI Conflict of Interest Oversight Committee (COIOC). The COIOC has determined that the researcher’s financial interests are appropriately managed as to avoid compromising the quality or reliability of the study and furthermore, the UCI Institutional Review Board has determined that appropriate safeguards are in place to avoid adversely affecting your safety and welfare.

• You must be 18 years old in order to participate in this project. If you are under 18 as of today, please contact the Course Coordinator (Felix Grun) listed above and ask that your data not be used because you do not meet the eligibility requirements.

• You will not be compensated nor is there any cost to you for your participation in this research. The only potential discomfort associated with the study is the invasion of your privacy and potential breach of confidentiality. There are no direct benefits to you from participation in the study, but the goal of the study is to improve instruction for future students.

• The data collected in this study will **only** be reported in aggregate as the average of a large group of students. No personal or identifiable information will be published or be available outside of this research project, and all research data collected will be stored securely and confidentially on a secure network drive accessible only to the lead researchers, co-researchers, staff (course coordinator) and external evaluator. The research data will be maintained for 4 years for future research in a de-identified form.

• The research team, authorized UCI personnel, National Institute of Biomedical Imaging and Bioengineering (NIBIB) and regulatory entities such as the NIH may have access to your study records to protect your safety and welfare. Any information derived from this research project that personally identifies you will not be voluntarily released or disclosed by these entities without your separate consent, except as specifically required by law.

• If you have any comments, concerns, or questions regarding the conduct of this research please contact the researchers listed at the top of this form.

• Please contact UCI’s Office of Research by phone, (949) 824-6662, by e-mail at [IRB@research.uci.edu](mailto:IRB@research.uci.edu) or at 5171 California Avenue, Suite 150, Irvine, CA 92697 if you are unable to reach the researchers listed at the top of the form and have general questions; have concerns or complaints about the research; have questions about your rights as a research subject; or have general comments or suggestions.