

Form B-2
(FY2018)

Date (日付)

26/12/2018

(Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Saadia Binte Alam (ID No. P18119)

- Participating school (学校名): Wakayama Shin-ai Junior and Senior High School

- Date (実施日時): 12/12/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Computational Knowledge Representation in Image Processing

- Name and title of your accompanying person (講義補助者 職・氏名)

Mr. Kazuki Ishiro

- Lecture format (講演形式):

◆Lecture time (講演時間) 45 min (分), Q&A time (質疑応答時間) 15 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

PPT, used projector

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Radiomics is a novel image diagnosis method, that provides valuable diagnostic or predictive information of a patient not only using his/her medical images but also utilizing quantitative image markers extracted from big medical image data of a large number of subjects. In particular, predictive models with high accuracy, reliability, and efficiency are vital factors driving the success of radiomics. Quantifying cortical morphological dynamics of brain deformation will help neuroscientists to identify and characterize brain deformation disorders. Shape variability from statistical models can be used to characterize the temporal change of individual variety in human organs. In this particular research work, we developed a statistical model of human brain shape development in order to monitor and identify brain disorder.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

Be more interactive with the researcher and develop an interest on research work.

- Other noteworthy information (その他特筆すべき事項):

NA

Must be typed

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。)

It was a good experience.