

Nesreen Ibrahim Alsanousi Mohammed

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EDUCATION

Osaka University, Osaka, Japan

- Ph.D., Biological sciences /Biochemistry, Molecular Biophysics (September 2016)
- M.Sc., Biological sciences /Biochemistry, Molecular Biophysics (September 2013)

Al-Neelain University, Khartoum, Sudan

- B.Sc., Biochemistry with First Class Honors

RESEARCH EXPERIENCE

Osaka University, Japan

Ph.D. Research,

Project 1: Optimization and preparation of nanoscale phospholipid bilayers (nanodisc) for its application to structural studies of membrane proteins.

Project 2: Solution NMR study of molecular basis for drastic enhancement of cytoprotective activity of Humanin caused by D-isomerization of specific serine residue.

Project 3: Solution NMR studies of CERT-PH domain interaction with phospholipid bilayers, in nanodiscs as a model membrane system.

Advisors:

Professor: KOJIMA Chojiro

Professor: FUJIWARA Toshimichi

Master thesis,

Title: Solution NMR Analysis of the Transmembrane Bacterial Transducer Protein pHtrII reconstructed into Phospholipid Bilayer

Supervised by: Professor KOJIMA Chojiro

Department of Biochemistry, Al-Neelain University, Sudan

Undergraduate Honors Research,

The Effect of Low Levels of Dietary *Ruta graveolens* and *Solenostemma argel* or Their Mixture on Bovans Chicks.

TEACHING EXPERIENCE

Teaching assistant (2007-2010)

Department of Biochemistry, Al-Neelain University, Sudan

- Taught the laboratory section for the 1st year - 4th year undergraduate courses. Organized lectures and designed laboratory demonstrations to illustrate course concepts.
- Planned lessons and assignments, led discussion sections, graded papers and exams.

AWARDS AND HONOURS

- Japanese Governmental Scholarship (Monbukagakusho) for Doctoral Program 2013 – 2016.
- Japanese Governmental Scholarship (Monbukagakusho) for Master Program 2011 – 2013.
- Academic Affairs of Al Neelain University 2004 and 2005.
- The Academic Prize of Ustaz Al Fadel Rabee Abd Al Kareem in Biochemistry, Sudan Institute for Natural Sciences, Ministry of Higher Education & Scientific Research 2006, Khartoum Sudan.

SKILLS AND EXPERTIES

- Language skills:

- Arabic
- English

- Technical and practical skills:

- Protein Expression and purification
- Molecular biology
- Biophysics
- Structural biology
- Biochemistry

- Enthusiastic and responsible researcher, equally efficient in team and as an individual

- Ability to manage multiple task and meet deadlines

Publications

Nesreen Alsanousi, Toshihiko Sugiki, Kyoko Furuita, Masatomo So, Young-Ho Lee, Toshimichi Fujiwara and Chojiro Kojima. Solution NMR structure and inhibitory effect against amyloid- β fibrillation of Humanin containing a D-isomerized serine residue. *Biochemical and Biophysical research communications*, 2016.

Nesreen I. El-Sanusi and S. El-Adam. The Effect of Low Levels of Dietary *Ruta graveolens* and *Solenostemma argel* or Their Mixture on Bovans Chicks
Asian Journal of Animal and Veterinary Advances, 2007

Manuscript in preparation

Nesreen Alsanousi. Study of Structure – Activity relationship of the membrane binding protein CERT.

References

Toshimichi Fujiwara, Professor

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Shama Ibrahim Adam, Professor

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