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Education

2018 – present	Hokkaido University Graduate School of Biomedical Science and Engineering	Hokkaido, Japan
2014 – 2017	King Mongkut's University of Technology Thonburi Master's Degree of Biological Engineering Project: Effect of Light Irradiation on Growth Capability of Human Hair Follicle Dermal Papilla Cells	Bangkok, Thailand GPAX: 3.88/4.00
2010 – 2014	Srinakharinwirot University Bachelor's Degree of Biomedical Engineering Project: Wheel Chair Control System Using EOG	Bangkok, Thailand GPAX: 3.27/4.00

Publications and Presentations

1. "Effect of Laser Diode Light Irradiation on Growth Capability of Human Hair Follicle Dermal Papilla Cells"

Sira Jampa-ngern, Kwanchanok Viravaidya-Pasuwat, Saroj Suvanasuthi, Anak Khantachawana

Oral presentation and Contributed paper in 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society 2017 (EMBC'17), Jeju Island, Korean, pp. 3592-3595.

2. "Laser Treatment for Hair Loss"

Anak Khantachawana, Sira Jampa-ngern, Pirawan Chantachotikul

Poster presentation in Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition: IPITEx 2017, Bangkok, Thailand (February 2017)

3. **“The Designed of Alopecia Treated Device by Using Light Stimulation”** (Silver Medal and Special Honor of Invention from iCAN-Toronto, Canada)

Anak Khantachawana, **Sira Jampa-ngern**, Pirawan Chantachotikul

Poster presentation of research in 10th International Warsaw Invention Show, IWIS 2016, Warsaw, Poland (October 2016)

4. **“Light Emitting Diodes (LEDs) Light for Alzheimer’s Therapy”**

Kunthika Mokdara, **Sira Jampa-ngern**, Teerawat Uanlee

Presentation of innovation in Student Innovation Challenge 2016, Thailand (May 2016)

5. **“Wheel Chair Control System Using EOG”**

Sira Jampa-ngern, Peerapat Buaaumpai, Pawit Khajornrithdecha

Poster presentation of research in Patient Safety Conference 2014, Faculty of medicine, Srinakharinwirot University, Thailand (2014)

6. **“Wheel Chair Control System Using EOG”**

Sira Jampa-ngern, Peerapat Buaaumpai, Pawit Khajornrithdecha

Science Show on TV Program in T-Tech, Channel 7 TV and BUGABOO.TV (February 2014)

Honors and Awards

1. **“The Designed of Alopecia Treated Device by Using Light Stimulation”**

Anak Khantachawana, **Sira Jampa-ngern**, Pirawan Chantachotikul

- **Silver Medal**
- **Special Honor** of Invention from International Invention Innovation Competition in Canada (iCAN-Toronto, Canada)

10th International Warsaw Invention Show, IWIS 2016, Warsaw, Poland (October 2016)

Work Experience

1. Researcher at **“Biological Engineering Program”**, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand (2017)

2. Teacher Assistance in **“Biological Science in Modern Technology (BIE100)”**, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand (2015 – 2017)

3. Exchange Student at **“International Center for Biotechnology (ICBiotech)”**, Osaka University, Osaka, Japan (September 2015 - November 2015)

4. Internship at **“Medical Division (X-ray and Ultrasound)”**, Berli Jucker Public Company Limited, Bangkok, Thailand (March 2013 – May 2013)

Skills

Computer and Electronic Skill	Python 3, Tenserflow and KERAS (Python 3), MATLAB, ImageJ, Proteus 8 Professional
Laboratory Skill	Cell and Tissue Culture, Biomolecular technique

References

1. Prof. Shinichi Shimizu (M.D.)

Department of Radiation Medical Science and Engineering, Faculty of Medicine, Hokkaido University

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2. Assoc. Prof. Dr. Anak Khantachawana

Department of Mechanical Engineering, and Biological Engineering Program, Faculty of Engineering, King Mongkut's University of Technology Thonburi (KMUTT)

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3. Dr. Wongwit Senavongse

Head of Department of Biomedical Engineering, Faculty of Engineering, Srinakharinwirot University (SWU)

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4. Dr. Direk Sueseekak

Department of Biomedical Engineering, Faculty of Engineering, Srinakharinwirot University (SWU)

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