Curriculum Vitae
Rugivan Sabaratnam

Basic info: Danish Citizen. Born 050186 in Sri Lanka (Jaffna), moved to Denmark in 1989
Place of work: Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM), University of Oxford,
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Current position

Feb. 2020 - **Postdoctoral Fellow**, OCDEM, University of Oxford, United Kingdom.
Mentor Professor Fredrik Karpe

Academic Education and Previous Work

Oct. 2017 – Jan. 2020 **Research Associate,** Steno Diabetes Center Odense, Section of Molecular Diabetes and Metabolism, Endocrinology Research Unit, Institute of Clinical Research & Institute for Molecular Medicine, Odense University Hospital & University of Southern Denmark.
Mentor Professor Kurt Højlund

May 2018 **Ph.D. Degree**, Health Sciences, University of Southern Denmark. Supervisor: Professor Kurt Højlund, MD, PhD, DMSc, University of Southern Denmark. Co-supervisor: Professor Jørgen F.P. Wojtaszewski, PhD, Copenhagen University. Thesis: Transcriptional Signatures of Adipose Tissue and Skeletal Muscle and Effect of Acute Exercise on Key Molecular Regulators of Muscle Metabolism in Type 2 Diabetes

Feb 2013 **MSc. in Biomedicine**, University of Southern Denmark, Odense. Supervisor: Professor Brage Storstein Andresen, PhD, Department of Biochemistry and Molecular Biology, Faculty of Science, University of Southern Denmark, Odense. Grade: 12 (A)

April 2010 **BSc. in Biomedicine**, University of Southern Denmark, Odense. Supervisor: Associate professor Claus Koch, PhD, Institute of Molecular Medicine, Faculty of Health Sciences, University of Southern Denmark, Odense. Grade: 10 (B)

Academic work abroad

Feb 2017 – June 2017 OCDEM, University of Oxford, United Kingdom. Professor Fredrik Karpe and Dr. Constantinos Christodoulides

Referee work

2020 - Diabetes (Co-reviewing), Acta Physiologica, Cancers – MDPI, Clinical Science, STAR Protocols by Cell Press, Bioscience Reports, BMJ Open Diabetes Research & Care

Co-supervisor 4 MSc. students, 1 Medical student, 2 BSc. students

Teaching BSc., MSc. and Medical Courses (Immunology, Pharmacology, and Physiology). Lectures, Instructor and Practical courses >500 hours.

Conf. Org. and Chairman The Danish Diabetes Academy Winter School 2019. Chaired two sessions:
1) Organ Axes & Cross Talk and 2) Exercise & Diabetes
3rd Danish Muscle Network 2020

Grants + Scholarships (Ph.D.) >1.9 M DKK

Publications

1. Kruse, R., Petersson, S. J., Christensen, L. L., Kristensen, J. M., **Sabaratnam, R.**, Ørtenblad, N., Andersen, M., Højlund, K. Effect of long-term testosterone therapy on molecular regulators of skeletal muscle mass and fibre-type distribution in aging men with subnormal testosterone. ***Metabolism*** doi.org/10.1016/j.metabol.2020.154347
2. Svenningsen, P, **Sabaratnam, R.**, Jensen BL. (2020) Urinary extracellular vesicles: Origin, role as intercellular messengers and biomarkers; efficient sorting and potential treatment options ***Acta Physiol*** doi: 10.1111/apha.13346
3. **Sabaratnam, R.**, Geertsen, L., Skjødt, K., Højlund, K., Lund, L., Dimke, H., & Svenningsen, P. (2019) In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles ***Am J Physiol Renal Physiol*** doi.org/10.1152/ajprenal.00242.2019
(Highlighted: Charles J. Blijdorp and Ewout J. Hoorn (2019) Urinary extracellular vesicles: the mothership connection. *Am J Physiol Renal Physiol* doi.org/10.1152/ajprenal.00358.2019)

4. **Sabaratnam, R.,** Pedersen, A. J., Eskildsen, T., J. M., Kristensen, Wojtaszewski, J. F. P., & Højlund, K. (2019) Exercise induction of key transcriptional regulators of metabolic adaptation in skeletal muscle is preserved in patients with type 2 diabetes (2019) ***J Clin Endocrinol Metab,*** doi.org/10.1210/jc.2018-02679.
5. Nielsen, M. H., **Sabaratnam, R.,** Pedersen, A. J, Højlund, K, & Handberg, A (2019). Acute exercise increases plasma levels of muscle-derived microvesicles carrying fatty acid transport proteins ***J Clin Endocrinol Metab***, doi.org/10.1210/jc.2018-02547**.**
6. **Sabaratnam, R.,** Pedersen, A. J. T., Kristensen, J. M., Handberg, A., Wojtaszewski, J. F. P., & Hojlund, K. (2018). Intact regulation of muscle expression and circulating levels of myokines in response to exercise in patients with type 2 diabetes ***Physiol Rep****, 6*(12), e13723. doi:10.14814/phy2.13723 **(Editor´s Choice in 2018)**
7. Kjobsted, R., Pedersen, A. J., Hingst, J. R., **Sabaratnam, R.**, Birk, J. B., Kristensen, J. M., . . . Wojtaszewski, J. F. (2016). Intact Regulation of the AMPK Signaling Network in Response to Exercise and Insulin in Skeletal Muscle of Male Patients With Type 2 Diabetes: Illumination of AMPK Activation in Recovery From Exercise. ***Diabetes***, 65(5), 1219-1230. doi:10.2337/db15-1034.
8. Palhais, B., Dembic, M., **Sabaratnam, R.**, Nielsen, K. S., Doktor, T. K., Bruun, G. H., & Andresen, B. S. (2016). The prevalent deep intronic c.639+919 G>A GLA mutation causes pseudoexon activation and Fabry disease by abolishing the binding of hnRNPA1 and hnRNP A2/B1 to a splicing silencer. ***Mol Genet Metab***, 119(3), 258-269. doi:10.1016/j.ymgme.2016.08.007
9. Palhais, B., Praestegaard, V. S., **Sabaratnam, R.**, Doktor, T. K., Lutz, S., Burda, P., . . . Andresen, B. S. (2015). Splice-shifting oligonucleotide (SSO) mediated blocking of an exonic splicing enhancer (ESE) created by the prevalent c.903+469T>C MTRR mutation corrects splicing and restores enzyme activity in patient cells. ***Nucleic Acids Research*** 43(9), 4627-4639. doi:10.1093/nar/gkv275
10. Olsen, R. K., Broner, S., **Sabaratnam, R.**, Doktor, T. K., Andersen, H. S., Bruun, G. H., . . . Andresen, B. S. (2014). The ETFDH c.158A>G variation disrupts the balanced interplay of ESE- and ESS-binding proteins thereby causing missplicing and multiple Acyl-CoA dehydrogenation deficiency. ***Hum Mutat***, 35(1), 86-95. doi:10.1002/humu.22455

Editorial

1. Broadley MM, Gonzalez-Franquesa A, Jonsson A, Christiansen CB, Carrasquilla GD, Mamidi A, Ghiasi SM, Juel HB, Falk S, Isidor MS, Aldiss P, Gillberg L, Carolo Dos Santos K, **Sabaratnam R**, Huang LO, Quist JS, Knudsen JR, Poulsen S, Quaranta R, Tozzi M, Mikkelsen RB, Andersen MK, Dall M, Møller AB, Drag MH, Panahi S, Lyons CL, Small L, Altıntaş A, Poursharifi P, Osborne B, Sarvari AK, Johnston LW, Solheim MH, Modvig IM, Husted AS, Jespersen NZ, Brown EL, Bak E, Peluso A, Finger F, Grunddal KV, Rupar K, Vistisen HT, Henningsen JB, Ma T. (2020). Next generation diabetes scientists shape global research culture. ***Acta Physiol*** **(Oxf)**. doi: 10.1111/apha.13455

Invited/Oral Presentations

1. **FIDELIO – Bone health diseases. EU Project. Webinar.** 2020
2. **American Diabetes Association's 79th Scientific Sessions**, 2019, San Francisco, California
3. **Cardiovascular and Renal Research Seminar** 2018**,** Odense, Denmark, Odense, Denmark
4. **Endocrine Elite Research Centre**, 2018 Odense, Denmark
5. **Danish Muscle Network**, 2017, Aarhus, Denmark
6. **American Diabetes Association's 76th Scientific Sessions**, 2016, New Orleans, Louisiana
7. **Cardiovascular and Renal Research Seminar**, 2016, Odense, Denmark, Denmark
8. **Endocrine Elite Research Centre**, 2016 Odense, Denmark
9. **Danish Diabetes Academy Annual Day** 2015, Nyborg, Denmark

Poster Presentations

1. **Danish Diabetes Academy Annual Day** 2018, Nyborg, Denmark
2. **International Symposium on Insulin Receptor and Insulin Action**, 2017, Nice, France
3. **Danish Diabetes Academy Annual Day** 2016, Nyborg, Denmark
4. **Danish Diabetes Academy Annual Day 2015**, Nyborg, Denmark
5. **Cell Symposia – Exercise Metabolism**, Amsterdam, The Nederland's

Oral/Poster Contributions

1. **52nd Annual Meeting of the Scandinavian Society for the Study of Diabetes**, 2017, Denmark (Oral)
2. **ICIEM 2013**, Spain. (Oral)