

LIST OF PAPERS

This thesis is based on the present review and the below listed papers.

- I. Nyberg M, **Piil P**, Egelund J, Sprague RS, Mortensen SP and Hellsten Y (2015). Potentiation of cGMP signaling increases oxygen delivery and oxidative metabolism in contracting skeletal muscle of older but not young humans. *Physiol Rep.*, 3(8), e12508.
- II. Nyberg M, **Piil P**, Egelund J, Sprague RS, Mortensen SP and Hellsten Y (2015). Effect of PDE5 inhibition on the modulation of sympathetic α -adrenergic vasoconstriction in contracting skeletal muscle of young and older recreationally active humans. *Am J Physiol Heart Circ Physiol.*, **309**, H1867–H1875.
- III. **Piil P**, Jørgensen TS, Egelund J, Damsgaard R, Gliemann L, Hellsten Y and Nyberg M (2017). Exercise training improves blood flow to contracting skeletal muscle of older men via enhanced cGMP signaling. *J Appl Physiol.*, Epub ahead of print, doi:10.1152/jappphysiol.00634.2017.
- IV. **Piil P**, Jørgensen TS, Egelund J, Gliemann L, Hellsten Y and Nyberg M (2017). Effect of high-intensity exercise training on functional sympatholysis in young and older habitually active men. *Revision submitted with minor revisions, Translational Sports Medicine.*