

Short CV: Anthony Blazevich

Education

1997 – 2001 Doctor of Philosophy, Southern Cross University, New South Wales, Australia.
1995 Bachelor of Science with Honours, The University of Queensland, Australia.
1992 – 1994 Bachelor of Science, The University of Queensland, Australia.

Current Position

Professor of Biomechanics, Lecturer in Clinical Neurophysiology: School of Medical and Health Sciences, Edith Cowan University, Australia, December 2015 – present.

Research Summary

Total External Research Funding: AU\$2,529,753.06
Peer-reviewed publications: 225
Total citations: 17,422 (last 5 years: 10,817)
H-index: 66 (last 5 years: 52)
i10-index: 169 (last 5 years: 161)
Books/chapters: 9
Invited presentations to industry and academia: 91
Research Supervision: 38 PhD students and 25 Masters students (current and completed)

Professional Affiliations

Fellow of the ECSS
Fellow of the International Strength & Conditioning Society
Member of Exercise and Sports Science Australia
Member of the National Strength & Conditioning Association
Member of the International Society of Biomechanics
Advisory Panel, International Arthrofibrosis Association

Publications Relevant to Symposium Since 2020

Van Hooren, B., Aagaard, P. & **Blazevich, A.J.** (2024). Optimizing resistance training for sprint and endurance athletes: Balancing positive and negative adaptations. *Sports Medicine*, doi: 10.1007/s40279-024-02110-4.

Van Hooren, B., Aagaard, P., Monte, A. & **Blazevich, A.J.** (2024). The role of pennation angle and architectural gearing to rate of force development in dynamic and isometric muscle contractions. *Scandinavian Journal of Medicine and Science in Sports*, 34(5): e14639

Birat, A., Garnier, Y.M., Dupuy, A., Bontemps, B., Dodu, A., Gossoeuvre, C., Dupont, A-C., Rance, M., Morel, C., **Blazevich, A.J.**, Nottin, S. & Ratel, S. (2024). Neuromuscular adaptations in endurance-trained male adolescents versus untrained peers: A 9-month longitudinal study. *Scandinavian Journal of Medicine and Science in Sports*, 34: e14681.

Tarrit, B., Garnier, Y.M., Birat, A., Ruas, C.V., Estevam, E., Rance, M., Morel, C., Nottin, S., Mattiello-Sverzut, A.C., Nosaka, K., **Blazevich, A.J.**, Pinto, R.S., Ratel, S. (2024). Can neuromuscular differences manifest by early adolescence in males between predominantly endurance and strength sports? *European Journal of Applied Physiology*, doi: 10.1007/s00421-024-05480-9.

Kay, A. D., **Blazevich, A. J.**, Tysoe, J. C., & Baxter, B. A. (2024). Cross-education effects of isokinetic eccentric plantarflexor training on flexibility, strength, and muscle-tendon mechanics. *Medicine and Science in Sports and Exercise*, 56(7):1242-1255.

- Nunes, J.P., **Blazevich, A.J.**, Schoenfeld, B.J., Kassiano, W., Costa, B.D.V., Ribeiro, A.S., Nakamura, M, Nosaka, K. & Cyrino, E.S. (2024). Determining changes in muscle size and architecture after exercise training: One size does not fit all. *Journal of Strength and Conditioning Research*, 38(4): 787-790.
- Pinto, M.D., Nosaka, K. & **Blazevich, A.J.** (2024). In vivo human medial gastrocnemius fascicle behaviour and belly gear during submaximal eccentric contractions are not affected by concentric, fatiguing exercise. *Journal of Biomechanics*, 162: 111895.
- Pinto, M.D., Nosaka, K., Wakeling, J. & **Blazevich, A.J.** (2023). Human *in vivo* medial gastrocnemius gear during active and passive muscle lengthening: Effect of inconsistent methods and nomenclature on data interpretation. *Biology Open*, 12 (9): bio060023.
- Blazevich, A.J.** & Fletcher, J.R. (2023). More than energy cost: Multiple benefits of the long Achilles tendon in human walking and running. *Biological Reviews*, 98(6): 2210-2225.
- Brusco, C.M., Pinto, R.S. & **Blazevich, A.J.** (2023). Biceps femoris fascicle behavior during submaximal and maximal slow speed contractions. *Medicine and Science in Sports and Exercise*, 55: 1857-1865.
- Mavropalias, G., Boppart, M., Usher, K.M., Grounds, M.D., Nosaka, K. & **Blazevich, A.J.** (2023). Exercise builds the scaffold of life: muscle extracellular matrix biomarker responses to physical activity, inactivity, and aging. *Biological Reviews*, 98(2): 481-519.
- Earp, J.E, Angelino, D., Hatfield, D.L., Colantuono, V., Jackson, E.R., Morgan, K.D., Adami, A., Melanson, K.J. & **Blazevich, A.J.** (2023). Differing hypertrophy patterns from open and closed kinetic chain training affect quadriceps femoris center of mass and moment of inertia in a predictable manner. *Frontiers in Physiology*, 14: 14:1074705.
- Vial, S., Wikie, J.C., Turner, M., Scanlan, M. & **Blazevich, A.J.** (2023). Does fatigue influence joint-specific work and ground force production during the first steps of maximal acceleration? *Scandinavian Journal of Medicine and Science in Sports*, 33(6), 894-906.
- Connolly, S., Peeling, P., Binnie, M.J., Goods, P.S.R., Latella, C., Taylor, J.L., **Blazevich, A.J.**, Timmerman, W.P. & Abbiss, C.R. (2023). Sprint cycling rate of torque development associates with strength measurement in trained cyclists. *European Journal of Applied Physiology*, 123: 1215–1227.
- du Plessis, C., Andrewes, M., Mitchell, L.J.G., Cochrane Wilkie, J., King, T. & **Blazevich, A.J.** (2022). Shorter constant work rate cycling tests as proxies for longer tests in highly trained cyclists. *PLoS One*, 17(5): e02259034.
- Maroto-Izquierdo, S., Nosaka, K., **Blazevich, A.J.**, González-Gallego, J. & de Paz, J.A. (2022). Cross-education effects of unilateral accentuated eccentric isoinertial resistance training on lean mass and function. *Scandinavian Journal of Medicine and Science in Sports*, 32(4): 672-684.
- Hakkinen, K., Newton, R.U., Walker, S., Hakkinen, A., Krapic, S., Rekola, R., Koponen, P., Kraemer, W.J., Haff, G.G., **Blazevich, A.J.**, Nosaka, K. & Ahtiainen, J. (2022). Effects of upper body eccentric versus concentric strength training and detraining on maximal force, muscle activation, hypertrophy and serum hormones in women. *Journal of Sports Science and Medicine*, 21(2), 200-213.
- Dunn, E.C., Humberstone, C.E., Franchini, E., Iredale, K.F., & **Blazevich, A.J.** (2022). Relationships between punch impact force and upper-and lower-body muscular strength and power in highly trained amateur boxers. *Journal of Strength and Conditioning Research*, 36(4): 1019-1025.
- Hernandez-Davo, J.L., Sabido, R. & **Blazevich, A.J.** (2021). High-speed stretch-shortening cycle exercises as a strategy to provide eccentric overload during resistance training. *Scandinavian Journal of Medicine and Science in Sports*, 31(12): 2211-2220.
- Walker, S., Trezise, J., Haff, G.G., Newton, R.U., Häkkinen, K., & **Blazevich, A.J.** (2020). Increased fascicle length but not patellar tendon stiffness after accentuated eccentric-load strength training in already-trained men. *European Journal of Applied Physiology*, 120(11): 2371–2382.
- Blazevich, A.J.**, Alcaraz, P.E., Wilson, C. & Arias, J. (2020). Effects of resistance training movement pattern and velocity on muscular rate of force development – A systematic review with meta-analysis and meta-regression. *Sports Medicine*, 50(5):943-963.