



Cover: Most studies on the biomechanics of running in birds have focused on sagittal plane movements. Using a combination of anatomical modeling and gait analysis, Rubenson et al. (pp. 2548–2562) reconstructed the ostrich (*Struthio camelus*) hind limb during running in three dimensions (seen here with marker and anatomical landmark trajectories). Surprisingly, this cursorial species exhibits considerable non-sagittal segment motion, much of which is explained by the orientation of the joints, flexion/extension axes. Three-dimensional analyses such as these provide valuable clues into the relationship between avian bipedal musculoskeletal structure and function, and its evolution. (Images created using BodyBuilder software, Oxford Metrics.)

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