	Good news about human energy budget
Energy, Food, and Brains	
Alan R. Rogers	Walking and (especially) jogging are energetically efficient.
March 14, 2011	
	What we're good at and poor at
Energetic cost of travel was predicted for average quadrupedal mammal of same body size.	
Observed/Speedpredicted cost(km/hr²)Subject(×100)2.9Chimp149%Human86%4.5Chimp148%Human94%Humans use 58% the energy of a chimp of same size.	 We're slow: any predator can catch us. Running fast is energetically inefficient. We excel at jogging and walking. We can go far in a day.
Recent evolution has made us better runners. Of 31 recently-evolved skeletal characters: • 30 affect running more than walking • 1 affects running and walking equally (Bramble & Lieberman 2004)	240 200 160 200 160 120 80 80 80 80 80 80 80 80 80 80 80 80 80
	40 - Walk Trot Gallop Lieberman 2004) 0 1 2 3 4 5 6 7 Speed (m s ⁻¹)



