Terence D Capellini

List of Publications by Year in Descending Order

51 papers	1,392 citations	20 h-index	36 g-index
62 ext. papers	1,801 ext. citations	8.3 avg, IF	4.24 L-index

#	Paper	IF	Citations
51	Interspecies transcriptomics identify genes that underlie disproportionate foot growth in jerboas. *Current Biology*, **2021**,	6.3	2
50	Detection of Neanderthal Adaptively Introgressed Genetic Variants that Modulate Reporter Gene Expression in Human Immune Cells. *Molecular Biology and Evolution*, **2021**,	8.3	5
49	Experimental and natural evidence of SARS-CoV-2-infection-induced activation of type I interferon responses. *IScience*, **2021**, 24, 102477	6.1	15
48	Subchondral Bone Length in Knee Osteoarthritis: A Deep Learning-Derived Imaging Measure and Its Association With Radiographic and Clinical Outcomes. *Arthritis and Rheumatology*, **2021**, 73, 2240-2248	9.5	3
47	Shifting epigenetic contexts influence regulatory variation and disease risk. *Aging*, **2021**, 13, 15699-15749	5.6	
46	Joint disease-specificity at the regulatory base-pair level. *Nature Communications*, **2021**, 12, 4161	17.4	0
45	Identification of IGF2BP1-related lncRNA-miRNA-mRNA network in goat skeletal muscle satellite cells. *Animal Science Journal*, **2021**, 92, e13631	1.8	0
44	Single Cell Omics for Musculoskeletal Research. *Current Osteoporosis Reports*, **2021**, 19, 131-140	5.4	2
43	Bi-fated tendon-to-bone attachment cells are regulated by shared enhancers and KLF transcription factors. *ELife*, **2021**, 10,	8.9	15
42	Evolutionary Selection and Constraint on Human Knee Chondrocyte Regulation Impacts Osteoarthritis Risk. *Cell*, **2020**, 181, 362-381.e28	56.2	28
41	Assessment of knee pain from MR imaging using a convolutional Siamese network. *European Radiology*, **2020**, 30, 3538-3548	8	16
40	Regulation of Gdf5 expression in joint remodelling, repair and osteoarthritis. *Scientific Reports*, **2020**, 10, 157	4.9	18
39	Biological clocks and incremental growth line formation in dentine. *Journal of Anatomy*, **2020**, 237, 367-378	2.9	10
38	Variation in mouse pelvic morphology maps to locations enriched in Sox9 Class II and Pitx1 regulatory features. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2020**, 334, 100-112	1.8	2
37	Complex Phenotypes: Mechanisms Underlying Variation in Human Stature. *Current Osteoporosis Reports*, **2019**, 17, 301-323	5.4	6
36	Mendelian Randomization Analysis Reveals a Causal Influence of Circulating Sclerostin Levels on Bone Mineral Density and Fractures. *Journal of Bone and Mineral Research*, **2019**, 34, 1824-1836	6.3	11
35	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. *Journal of Bone and Mineral Research*, **2019**, 34, 1284-1296	6.3	16

34	Genetics of scapula and pelvis development: An evolutionary perspective. *Current Topics in Developmental Biology*, **2019**, 132, 311-349	5.3	11
33	A distinct transition from cell growth to physiological homeostasis in the tendon. *ELife*, **2019**, 8,	8.9	16
32	Exercise-induced loading increases ilium cortical area in a selectively bred mouse model. *American Journal of Physical Anthropology*, **2019**, 168, 543-551	2.5	4
31	Identification of Novel Loci Associated With Hip Shape: A Meta-Analysis of Genomewide Association Studies. *Journal of Bone and Mineral Research*, **2019**, 34, 241-251	6.3	32
30	Disentangling Immediate Adaptive Introgression from Selection on Standing Introgressed Variation in Humans. *Molecular Biology and Evolution*, **2018**, 35, 623-630	8.3	27
29	Impact of broad regulatory regions on Gdf5 expression and function in knee development and susceptibility to osteoarthritis. *Annals of the Rheumatic Diseases*, **2018**, 77, 450	2.4	22
28	A novel enhancer near the gene influences development and evolution of pelvic appendages in vertebrates. *ELife*, **2018**, 7,	8.9	18
27	A robust method for RNA extraction and purification from a single adult mouse tendon. *PeerJ*, **2018**, 6, e4664	3.1	8
26	The role of Gdf5 regulatory regions in development of hip morphology. *PLoS ONE*, **2018**, 13, e0202785	3.7	9
25	Ancient selection for derived alleles at a GDF5 enhancer influencing human growth and osteoarthritis risk. *Nature Genetics*, **2017**, 49, 1202-1210	36.3	53
24	Epigenetic profiling of growth plate chondrocytes sheds insight into regulatory genetic variation influencing height. *ELife*, **2017**, 6,	8.9	24
23	Screening of reproduction-related single-nucleotide variations from MeDIP-seq data in sheep. *Molecular Reproduction and Development*, **2016**, 83, 958-967	2.6	9
22	Reply to Almeija: A new direction for reconstructing our last common ancestor with chimpanzees. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E945	11.5	
21	Heads, Shoulders, Elbows, Knees, and Toes: Modular Gdf5 Enhancers Control Different Joints in the Vertebrate Skeleton. *PLoS Genetics*, **2016**, 12, e1006454	6	39
20	Dietary Variation and Evolution of Gene Copy Number among Dog Breeds. *PLoS ONE*, **2016**, 11, e0148899	3.7	18
19	Fossil hominin shoulders support an African ape-like last common ancestor of humans and chimpanzees. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11829-34	11.5	44
18	Out on a Limb **2015**, 101-137		2
17	DNA methylation Landscape of body size variation in sheep. *Scientific Reports*, **2015**, 5, 13950	4.9	20

16	On the serial homology of the pectoral and pelvic girdles of tetrapods. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 2543-55	3.8	26
15	Reply to Melillo: Woranso-Mille is consistent with an australopithecine shoulder intermediate between African apes and Homo. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E7160	11.5	2
14	A penile spine/vibrissa enhancer sequence is missing in modern and extinct humans but is retained in multiple primates with penile spines and sensory vibrissae. *PLoS ONE*, **2013**, 8, e84258	3.7	15
13	Congenital asplenia in mice and humans with mutations in a Pbx/Nkx2-5/p15 module. *Developmental Cell*, **2012**, 22, 913-26	10.2	59
12	Human-specific loss of regulatory DNA and the evolution of human-specific traits. *Nature*, **2011**, 471, 216-9	50.4	334
11	Pbx homeodomain proteins: TALEnted regulators of limb patterning and outgrowth. *Developmental Dynamics*, **2011**, 240, 1063-86	2.9	32
10	Control of pelvic girdle development by genes of the Pbx family and Emx2. *Developmental Dynamics*, **2011**, 240, 1173-89	2.9	22
9	Scapula development is governed by genetic interactions of Pbx1 with its family members and with Emx2 via their cooperative control of Alx1. *Development (Cambridge)*, **2010**, 137, 2559-69	6.6	53
8	Pbx1/Pbx2 govern axial skeletal development by controlling Polycomb and Hox in mesoderm and Pax1/Pax9 in sclerotome. *Developmental Biology*, **2008**, 321, 500-14	3.1	36
7	Conservation of notochord gene expression across chordates: insights from the Leprecan gene family. *Genesis*, **2008**, 46, 683-96	1.9	28
6	Cooperation between p27 and p107 during endochondral ossification suggests a genetic pathway controlled by p27 and p130. *Molecular and Cellular Biology*, **2007**, 27, 5161-71	4.8	21
5	Spatio-temporal expression of Pbx3 during mouse organogenesis. *Gene Expression Patterns*, **2006**, 6, 747-57	1.5	48
4	Pbx1/Pbx2 requirement for distal limb patterning is mediated by the hierarchical control of Hox gene spatial distribution and Shh expression. *Development (Cambridge)*, **2006**, 133, 2263-73	6.6	141
3	Development and cancer: Two sides of the same coin. *International Congress Series*, **2006**, 1296, 147-159		2
2	The TALE homeodomain protein Pbx2 is not essential for development and long-term survival. *Molecular and Cellular Biology*, **2004**, 24, 5324-31	4.8	65
1	Experimental and natural evidence of SARS-CoV-2 infection-induced activation of type I interferon responses		2