

Peter G. DeCelles
Curriculum Vitae
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CONTACT INFORMATION

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EDUCATION

1984-1986 Postdoctoral Scholar, Stanford University, Stanford, CA
 1984 Ph.D. and M.S. in Geology, Indiana University, Bloomington, IN
 1980 B.S. in Geology, University of Notre Dame, Notre Dame, IN

PROFESSIONAL EXPERIENCE

2023 Guest Professor, Università di Pavia, Pavia, Italy
 1998-present Professor, Department of Geosciences,
 University of Arizona, Tucson, AZ
 2014-15 Guest Professor, Geological Institute, ETH Zentrum, Zürich, Switzerland
 2007-08 Cox Professor, Stanford University
 2007 (part) Guest Professor, Università di Bologna, Bologna, Italy
 1993-98 Associate Professor, Department of Geosciences,
 University of Arizona, Tucson, AZ
 1996 (part) Visiting Professor, Università di Roma (La Sapienza), Rome, Italy
 1990-91 NSF-NATO Fellow, Università di Bologna, Bologna, Italy
 1992-93 Associate Professor, Department of Geological Sciences,
 University of Rochester, Rochester, NY
 1986-92 Assistant Professor, Department of Geological Sciences,
 University of Rochester, Rochester, NY
 1986 Visiting Professor, Indiana University Geologic Field Station, Cardwell, MT
 1984-85 Postdoctoral Scholar, Stanford University, Department of Geology
 1984 Summer Research Geologist, Conoco, Inc., Clastics Research Group, Ponca
 City, Oklahoma
 1980-84 Associate Instructor, Indiana University, Department of Geology
 1979, 81 Associate Instructor, Indiana University Geologic Field Station, Cardwell, MT
 1980 Geologist, U.S. Geological Survey

FIELD EXPERIENCE

Nepal and India, 25 expeditions 1994-present; Tibet, 13 expeditions 2002-present; Bolivia,
 Argentina, Chile, 17 expeditions, 1997-present; Yukon Territory and Alaska, 2 expeditions 1991-
 1993; Spain, Corsica, and mainland Italy, numerous field seasons 1990-2005; western U.S.A.,
 numerous field seasons 1980-present.

RESEARCH INTERESTS

- Regional structural evolution of collisional and cordilleran orogenic belts and sedimentary basins, including the Himalayan, Tibetan, Andean, North American Cordilleran, Pamir, and Alpine-Appennine orogenic systems
- Structural geology of fold-thrust belts
- Petrology, provenance (conventional and geochemical), and detrital geo-petro-thermochronology of clastic sediments and sedimentary rocks
- Physical sedimentology and depositional systems in fluvial, alluvial, eolian and marine settings
- Landscape evolution in orogenic highlands

AWARDS and PROFESSIONAL AFFILIATIONS

Gallagher Lecturer, University of Calgary (2019)
 Francis J. Pettijohn Medal, Society for Sedimentary Geology-SEPM (2018)
 American Geophysical Union Fellow (2017)
 Geosciences Alumni Board Outstanding Faculty Award, University of Arizona (2017)
 Galileo Circle Fellow, University of Arizona (2009)
 Laurence L. Sloss Award, Geological Society of America (2008)
 Cox Professorship, Stanford University (2007)
 Emmons Lecturer, Colorado Scientific Society (2006)
 Most Cited Paper Award, Earth & Planetary Science Letters (2004-2007)
 Geological Society of America (Fellow)
 The Explorers Club (National Fellow, 2005)
 American Alpine Club (Member)

PROFESSIONAL SERVICES AND ACTIVITIES

2023	<i>JGR—Solid Earth</i> Editor in Chief Search Committee (AGU) University of Pavia International Winter School: Basins associated with collisions Co-leader of field excursion through Italian and Swiss Alps
2023	Keynote speaker, Cordilleran Section of GSA, Reno
2021	The Explorers Club, SW Chapter Connect lecture
2020	University of Pavia International Winter School: Thermal history of basin-source systems: techniques, modelling and applications
2018-present	Associate Editor, <i>Journal of Geophysical Research—Solid Earth</i>
2018-present	Advisory Board, Department of Earth and Atmospheric Sciences, Indiana University, Bloomington
2015	Short courses on Thrust Belts and Foreland Basins, Geological Institute, ETH and University of Roma-Tre
2015	Co-leader of field excursion through Italian Alps, Apennines, and Corsica, ETH
2015-16	GSA International Committee, Chair
2014-18	GSA Penrose Conference and Thompson Field Forum Committee
2013	Field Trip leader for trans-Andean excursion, Univ. Arizona and ExxonMobil
2011	Theme Session Co-Chair at 2011 AGU National Meeting in San Francisco Session title: Linkages among orogenic processes in Cordilleran systems GSA SG&T Career Contribution Award Committee Chair
2010	Keynote lecture, Himalaya-Karakoram-Tibet Meeting, San Francisco GSA SG&T Career Contribution Award Committee member

	GSA Sloss Award Committee Chair
2006-12	Field Trip leader and short-course instructor for ExxonMobil
2007	Guest Lecturer, Platinum Jubilee, Indian Institute of Statistics, Kolkata
2005	Field Trip leader for Devon Energy in Sevier thrust belt
2004	Field Trip leader for ExxonMobil in Sevier thrust belt
2003	Field Trip leader for ExxonMobil and Midland Valley in Sevier thrust belt Short course on tectonics of sedimentary basins, ExxonMobil
2002-05	Panel member, Continental Dynamics Program, National Science Foundation
2001-07	Editor, <i>Basin Research</i>
2001-03	Editor, <i>Journal of the Nepal Geological Society</i>
1998	Co-leader of geological field trip for AAPG National Meeting, Salt Lake City: Coupled structure and sedimentation through 100 m.y. of thrust wedge evolution, Sevier thrust belt, northern Utah, western Wyoming and SE Idaho
1997	Co-leader of geological field trip for GSA National Meeting, Salt Lake City: Hinterland to foreland transect through the Sevier orogen, northeast Nevada to north central Utah: Structural style, metamorphism, and kinematic history of a large contractional orogenic wedge
1997-00	Editorial Board, <i>Basin Research</i>
1997	Theme Session Co-Chair (with P. Hennings, Mobil) at 1997 AAPG National Meeting in Dallas: Coupled tectonics and sedimentation.
1995-04	Editorial Board, <i>Geology</i>
1993-03	Associate Editor, <i>Geological Society of America Bulletin</i>
1995	Leader of geological field trip for AEC and Norcen Energy Resources, Ltd., Calgary: Kinematic history and synorogenic sedimentation, Sevier thrust belt, Utah and Wyoming.
1993	Leader of geological field trip for Norcen Energy Resources, Ltd., Calgary. Trip title: Paleocene synorogenic alluvial fan deposits of the Beartooth Range, Montana
1992	Special Symposium Co-Chair (with T. F. Lawton) at 1992 SEPM Theme Meeting on the Western Interior Cretaceous Basin: Recent Advances in Interpretation of Thrust-Generated Clastics GSA Rocky Mountain Section field trip Co-Leader (with W. A. Yonkee and J. P. Evans): Tectonics of the northern Wasatch Range
1991	Keynote Speaker, GSA Penrose Conference on Development and Evolution of Foreland Basins, Can Boix, Spain: Structural controls on foreland basins
1986-present	Reviewer of numerous proposals submitted to U.S. National Science Foundation, Swiss National Science Foundation, Italian CNR, American Chemical Society, National Geographic, NCERC (Canada)
1986- present	Reviewer of numerous manuscripts for publication in <i>Science</i> , <i>Nature</i> , <i>Nature Geoscience</i> , <i>Tectonics</i> , <i>Journal of Sedimentary Research</i> , <i>Geological Society of America Bulletin and Memoirs</i> , <i>Geological Magazine</i> , <i>Sedimentology</i> , <i>Geology</i> , <i>Journal of Geology</i> , <i>Journal of Structural Geology</i> , <i>Sedimentary Geology</i> , <i>Basin Research</i> , <i>Paleo-cubed</i> , <i>G-cubed</i> , and various books and special publications.
1989	Leader of geological field trip for ARCO Research Lab: Middle Cenozoic sequence stratigraphy of the San Emigdio Range, California
1987	Symposium Co-Chair (with T. F. Lawton) at 1987 Annual GSA, Phoenix, AZ

- 1986 Leader of SEPM Pacific Section Field Trip: Middle Cenozoic depositional systems of the San Emigdio Range, southern California
- 1985 Leader of geological field trips for Sohio and Tenneco: Cenozoic siliciclastic deposystems and volcanism in the San Emigdio Range, southern California

SPEAKING ENGAGEMENTS WITHOUT PUBLISHED ABSTRACTS

- 2025 Department of Earth & Environmental Sciences, San Diego State University
Doerr School of Sustainability, Stanford University
Jackson School of Geosciences, University of Texas, Austin (DeFord Lecture)
- 2024 Geological Society of India, Bangalore (remote lecture)
Department of Geosciences, University of Arizona
- 2023 Department of Earth, Atmospheric, and Planetary Sciences, MIT
Department of Earth, Planetary, and Space Sciences, UCLA
Dipartimento di scienze dell'ambiente e di scienze della terra, Università di Milano-Bicocca, Italy
Department of Earth and Environmental Sciences, Università di Pavia, Italy
- 2022 Department of Geology, University of Illinois Urbana-Champaign
- 2021 The Explorers Club, SW Chapter Connect
- 2020 Department of Earth and Environmental Sciences, Università di Pavia, Italy
- 2019 Department of Geosciences, University of Nevada-Las Vegas
Gallagher Lecture, Department of Geoscience, University of Calgary
Crough Fellowship Lecture, Department of EAPS, Purdue University
Petrobras, Rio de Janeiro, Brazil
- 2018 Institute for Tibetan Plateau Research, Chinese Academy of Sciences, Beijing
- 2016 Department of Geosciences, University of Texas-Dallas
Department of Earth & Environmental Sciences, University of Texas-Arlington
Department of Earth Science, University of Toronto
- 2015 Dipartimento di Scienze della Terra, Università di Roma-Tre, Italy
Institut des Sciences de la Terre, Université Joseph Fourier, Grenoble France
- 2014 Department of Geology & Geophysics, University of Bucharest, Romania
Dipartimento di scienze dell'ambiente e di scienze della terra, Università di Milano-Bicocca, Italy
Geological Institute, ETH, Zürich Switzerland
TopoEuro Workshop, Barcelona Spain
- 2013 Department of Geology, Northern Arizona University
Explorers Club, Southwest Chapter
Department of Geosciences, Miami University
- 2012 U.S. Geological Survey, Denver
Department of Geoscience, Colorado University, Boulder
- 2011 Department of Geology & Geophysics, Rice University
ExxonMobil Upstream Research Corporation
- 2009 Department of Geology & Geophysics, University of Wyoming
ExxonMobil Senior Technical Personnel Workshop on Fold-Thrust Belts, Calgary
- 2008 Indian Statistical Institute, Kolkata (3 lectures)
Department of Geology and Environmental Sciences, Stanford University (7 lectures)

- Department of Geological Sciences, University of California, Santa Cruz
- 2007 Department of Geological Sciences, University of Michigan
Research Institute for Petroleum Exploration and Development, Beijing, China
Institute for Tibetan Plateau Research, Chinese Academy of Sciences, Beijing
Department of Geological and Environmental Sciences, Università di Bologna
Department of Geology, Università di Milano-Bicocca
- 2006 Arizona Geological Society
Colorado Scientific Society, Emmons Lecture
- 2004 Department of Geological Sciences, University of Kansas
Department of Geology & Geophysics, University of Wisconsin
University of Potsdam, Germany (two lectures)
- 2003 Department of Geological Sciences, Indiana University
ExxonMobil Exploration Company, Houston
Department of Geological Sciences, New Mexico State University
Department of Earth & Planetary Sciences, University of New Mexico
- 2002 Department of Geological Sciences, Arizona State University
Institute of Geology, Chinese Academy of Sciences, Beijing
Department of Geological Sciences, University of Kentucky
- 2000 Department of Geology, Dennison University
Department of Geology, Northern Arizona University
Department of Geology, Tribhuvan University, Kathmandu Nepal
Geological Institute, ETH, Zürich
Department of Geology and Geophysics, University of Wyoming
Department of Earth & Space Sciences, UCLA
- 1999 Department of Geological Sciences, Indiana University
- 1998 Department of Earth & Environmental Sciences, Stanford University
Department of Geological Sciences, University of Houston
Department of Geological Sciences, University of Oregon
Guest participant in Chevron Overseas Petroleum Thrust Belts short course
- 1997 Department of Geology & Geophysics, University of Oklahoma
- 1996 Department of Earth & Space Sciences, UCLA
Department of Geology, Northern Arizona University
Department of Geological Sciences, Università di Roma-La Sapienza (2)
- 1993 Department of Earth Sciences, New Mexico State University
- 1992 Department of Geology, McMaster University
Department of Geosciences, University of Arizona
- 1991 Department of Geological Sciences, Northwestern University
Department of Mineralogical Science, Università di Bologna (2)
Keynote Speaker, GSA Penrose Conference, Can Boix, Spain.
- 1990 Department of Geology & Institute for Meteoritics, University of New Mexico
- 1989 Department of Geological Sciences, Lehigh University
Department of Geological Sciences, Cornell University
ARCO Research Lab, Plano
- 1986 Department of Geology, Stanford University
- 1985 Department of Geological Sciences, University of Rochester

Department of Geological Sciences, Mackey School of Mines University of
Nevada-Reno
Department of Geology, Stanford University
Conoco, Inc., Research Lab, Ponca City

PUBLICATIONS

Articles published in peer-reviewed journals and special publications

† = student or postdoc supervised by PGD

204. Sherpa, T.Z.L.†, DeCelles, P.G., Carrapa, B., 2026, The role of climate and tectonics on the tectonomorphic evolution of the Sagarmatha (Everest) region, eastern Nepal Himalaya: G-Cubed. DOI: 10.1029/2026GC013016.
203. Ducea, M.N., DeCelles, P.G., Chapman, J., Delph, J., Carrapa, B., Petrescu, L., Ward, K., Rossel, P., 2026, The role of crustal magmatism in the formation and the evolution of orogenic plateaus: Geological Society of America Bulletin, <https://doi.org/10.1130/B38190.1>
202. Ferroni, R.R.†, DeCelles, P.G., Oller Veramendi, Dahlquist, J.A., di Pasquo, M., 2026, New Geochronological Constraints on the Late Palaeozoic Tarija Basin, Southern Bolivia: Tectonic and Palaeoclimatic Implications: Terra Nova, <https://doi.org/10.1111/ter.70007>
201. Tian, Y.†, DeCelles, P.G., Wei, G.Q., Yang, W., Jin, H., Zhou, G.X., 2025, Sedimentary provenance change during Late Triassic in northwestern South China block and its implications for Sichuan foreland basin evolution and closure of the Paleo-Tethys Ocean: Tectonics 44 (10) e2025TC008876.
200. Howlett, C.J., Ronemus, C.B.†, Carrapa, B., DeCelles, P.G., 2025, Miocene construction of the High Andes recorded by exhumation of the Frontal Cordillera, La Ramada Massif of western Argentina (31°S): Tectonics, TECT22137.
199. George, S.W.M., Carrapa, B., DeCelles, P.G., Jepson, G.M., Nadoya, H., Tabor, C., Howlett, C.J., Ronemus, C.B.†, Clementz, M.T., Schoenbohm L., 2025, Increased moisture availability in the Central Andes during the Miocene Climatic Optimum: Palaeogeography, Palaeoclimatology, Palaeoecology 663 (2025) 112732.
198. Hayes, R.†, DeCelles, P.G., Amadori, C., 2025, Sedimentological and Paleoslope Reconstruction of the Late Triassic Chinle Formation, Western U.S.A.: Constraints on Models for Dynamic Subsidence: Geological Society of America Bulletin. <https://doi.org/10.1130/B37816.1>
197. Jepson, G., Carrapa, B., Afonso, W., Reeher, L.J., DeCelles, P.G., Howlett, C.J., Caylor, E., Sherpa, T.Z.L.†, Wang, J.W., Constenius, K.N., 2025, Regional exhumation of the Laramide: Geological Society of America Bulletin, accepted, <https://doi.org/10.1130/B37625.1>.
196. Carrapa, B., Jepson, G., DeCelles, P.G., George, S.W.M., Ducea, M., Campbell, C., Dawson (née Canavan), R.R., 2024, Crustal bobbing in response to lithospheric foundering recorded by detrital proxy records from the Central Andean Plateau: Geology, doi.org/10.1130/G52455.1.
195. Sherpa, T.Z.L.†, DeCelles, P.G., Gehrels, G.E., Pokhrel, C., 2024, Tectonic evolution of the Himalayan fold-thrust belt in the Okhaldhunga region, eastern Nepal: Tectonics, v. 43, e2024TC008457. <https://doi.org/10.1029/2024TC008457>
194. Caylor, E., Carrapa, B., DeCelles, P.G., Gehrels, G.E., 2024, The Real McCoy: A record of deep-water basin deposition in southwestern North America during the Cretaceous: Basin Research, v. 36, issue 5, e12902. doi.org/10.1111/bre.12902.
193. Li, L., DeCelles, P., Kapp, P., Garzzone, C., Quade, J., Yanay, N., 2024, Constraining carbonate diagenesis using clumped isotope temperatures and U-Pb dating: A case study and implications for paleoelevation interpretations in western central Tibet, *Geochimica et Cosmochimica Acta*. <https://doi.org/10.1016/j.gca.2024.04.007>

192. Li, L., Quade, J., Garziona, C., Defliese, W.F., DeCelles, P., Kapp, P., 2024, Reliability of micritic carbonates in recording well-preserved isotopic composition and implications for paleoelevation estimates in central Tibet, *Geochimica et Cosmochimica Acta*. <https://doi.org/10.1016/j.gca.2024.04.009>
191. Ronemus, C.B.[†], Howlett, C.J., DeCelles, P.G., Carrapa, B., and George, S.W.M., 2024, The Manantiales basin, Southern Central Andes (~32S), preserves a record of late Eocene-Miocene episodic growth of an east-vergent orogenic wedge: *Tectonics*, 2023TC008100R. <https://doi.org/10.1029/2023TC008100>
190. Ferroni, F.R.[†], DeCelles, P.G., and Oller Veramendi, J., 2024, Neogene to modern foreland basin development in the Sub-Andean zone of southern Bolivia and northern Argentina, 21°-23°S: *Geological Society of America Bulletin*, v. 136, p. 4263–4284.
189. Howlett, C., Jepson, G., Carrapa, B., DeCelles, P.G., and Constenius, K., 2023, Late Cretaceous exhumation of the Little Belt Mountains and regional development of the Helena salient, west-central Montana, USA: *Geological Society of America Bulletin*. doi.org/10.1130/B37081.1
188. Caylor, E., Carrapa, B., Jepson, G., Lama Sherpa, T.[†], DeCelles, P.G., 2023, The rise and fall of Laramide topography and the sediment evacuation from Wyoming: *Geophysical Research Letters*, 50, e2023GL103218. doi.org/10.1029/2023GL103218
187. DeCelles, P.G., and Carrapa, B., 2023, Differences Between the Central Andean and Himalayan Orogenic Wedges: A Matter of Climate: *Earth and Planetary Science Letters*, v. 616, 118216. doi.org/10.1016/j.epsl.2023.118216
186. Henriquez, S.[†], DeCelles, P.G., Carrapa, B., and Hughes, A.N., 2023, Kinematic evolution of the central Andean retroarc thrust belt in northwestern Argentina and implications for coupling between shortening and crustal thickening: *Geological Society of America Bulletin*, 135, 81-103. doi.org/10.1130/B36231.1
185. Sherpa, T.Z.L.[†], DeCelles, P.G., Carrapa, B., Schoenbohm, L.M., and Wolpert, J., 2023, Bhumichula plateau: a remnant high-elevation low-relief surface in the Himalayan thrust belt of western Nepal: *Geological Society of America Bulletin*, v. 135, p. 2121-2140. doi.org/10.1130/B36481.1
184. Davis, G.E., Reeher, L.J., Jepson, G., Carrapa, B., DeCelles, P.G., and Chaudoir, K., 2022, Structure and thermochronology of basement/cover relations along the Defiance uplift (AZ and NM), and implications regarding Laramide tectonic evolution of the Colorado Plateau: *American Journal of Science*, v. 322, p. 1047-1087.
183. Hayes, R.G.[†], and DeCelles, P.G., 2022, Reconstructing paleosinuosity and sedimentary mass-balance in the Upper Triassic Shinarump paleoriver in Utah and Arizona: *Journal of Sedimentary Research*, v. 92, p. 1207-1232. doi.org/10.2110/jsr.2021.122
182. Carrapa, B., DeCelles, P.G., Jepson, G., Ducea, M.N., Balgord, E., Stevens Goddard, A., 2022, Estimates of paleo-crustal thickness at Cerro Aconcagua (Southern Central Andes) from detrital proxy-records: implications for models of continental arc evolution: *Earth and Planetary Science Letters*, v. 585, 117526.
181. Dunham, A.M., Kiser, E., Kargel, J.S., Haritashya, U.K., Watson, C.S., Shugar, D.H., Hughes, A., and DeCelles, P.G., 2022, Topographic control on ground motions and landslides from the 2015 Gorkha earthquake. *Geophysical Research Letters*, 49, e2022GL098582.
180. Jepson, G., Carrapa, B., Gillespie, J., Feng, R., DeCelles, P.G., Kapp, P., Tabor, C.R., and Zhu, J., 2021, Climate as the Great Equalizer of Continental-Scale Erosion: *Geophysical Research Letters*, v. 48, Issue 20, e2021GL095008. doi.org/10.1029/2021GL095008
179. Wang, H., Currie, C., and DeCelles, P.G., 2021, Coupling between lithosphere removal and mantle flow in the central Andes: *Geophysical Research Letters*, 48, e2021GL095075. doi.org/10.1029/2021GL095075

178. Chapman, J.B.[†], and DeCelles, P.G., 2021, Beveling the Colorado Plateau: early Mesozoic rift-related flexure explains anomalous deposition and erosion in the southern Cordilleran foreland basin: *Tectonics*, v. 40. doi.org/10.1029/2020TC006517
177. DeCelles, P. G., and Carrapa, B., 2021, Coupled rapid erosion and foreland sedimentation control orogenic wedge kinematics in the Himalayan thrust belt of central Nepal: *Journal of Geophysical Research--Solid Earth*, 126, e2020JB021256. doi.org/10.1029/2020JB021256
176. Caylor, E.A., Carrapa, B., Sundell, K., DeCelles, P.G., and Smith, J., 2021, Age and deposition of the Fort Crittenden Formation: A window into Late Cretaceous Laramide and Cenozoic tectonics in southeastern Arizona: *Geological Society of America Bulletin*. <https://doi.org/10.1130/B35808.1>
175. Haque, Z., Geissman, J., DeCelles, P.G., and Carrapa, B., 2021, A magnetostratigraphic age constraint for the proximal synorogenic conglomerates of the Late Cretaceous Cordilleran foreland basin, northeast Utah, USA: *Geological Society of America Bulletin*, v. 133, p. 1795-1814. doi.org/10.1130/B35768.1
174. Henriquez, S.[†], DeCelles, P.G., Carrapa, B., Hughes, A., Davis, G., 2020, Deformation history of the Puna plateau, Central Andes of northwestern Argentina: *Journal of Structural Geology*, v.140. doi.org/10.1016/j.jsg.2020.104133
173. Meek, S.R., Carrapa, B., and DeCelles, P.G., 2020, Recognizing Allogenic Controls on the Stratigraphic Architecture of Ancient Alluvial Fans in the Western U.S.: *Frontiers in Earth Science*, v. 8, p. 215.
172. Wang, X., Carrapa, B., Sun, Y., Dettman, D.L., Chapman, J.B., Caves Rugenstein, J., Clementz, M.T., DeCelles, P.G., Wang, M., Chen, J., Quade, J., Wang, F., Li, Z., Oimuhammadzoda, I., Gadoev, M., Lormann, G., Zhang, X., Chen, F., 2020, The role of the westerlies and orography in Asian hydroclimate since the late Oligocene: *Geology*, v. 48. doi.org/10.1130/G47400.1
171. Quade, J., Leary, R., Dettinger, M.P., Orme, D., Krupa, A., DeCelles, P.G., Kano, A., Kato, H., Waldrip, R. Huang, W., and Kapp, P., 2020, Resetting southern Tibet: the serious challenge of obtaining primary records of paleoaltimetry: *Global and Planetary Change*, v. 191, 103194.
170. DeCelles, P.G., Carrapa, B., Ojha, T.P., Gehrels, G.E., and Collins, D., 2020, Structural and thermal evolution of the Himalayan thrust belt in midwestern Nepal: *Geological Society of America Special Paper 547*, 77 p., map insert.
169. Buceta, R., Schoenbohm, L.M., and DeCelles, P.G., 2020, Glacial and Fluvial Erosion in the Dolpo Basin, Western Nepal: *Geomorphology*, v. 354, p. 1-10. doi.org/10.1016/j.geomorph.2020.107033
168. Wang, X., Carrapa, B., Chapman, J.B., Henriquez, S., Wang, M., DeCelles, P.G., Li, Z., Wang, F., Oimahmadov, I., Gadoev, M., and Chen, F., 2019, Paratethys last gasp in central Asia and late Oligocene accelerated uplift of the Pamirs: *Geophysical Research Letters*, v. 46, p.11,773-11,781. [doi:10.1029/2019GL084838](https://doi.org/10.1029/2019GL084838)
167. Stickroth, S.F.[†], Carrapa, B., DeCelles, P.G., Gehrels, G.E., and Thomson, S.N., 2019, Tracking the growth of the Himalayan fold-and-thrust belt from lower Miocene foreland basin strata: Dumri Formation, western Nepal: *Tectonics*, v. 38, p. 3765–3793. <https://doi.org/10.1029/2018TC005390>.
166. Chapman, J.B.[†], Carrapa, B., DeCelles, P.G., Worthington, J., Mancin, N., Stoica, M., Wang, X., Gadoev, M., and Oimahmadov, I., 2019, The Tajik Basin: a composite record of sedimentary basin evolution in response to tectonics in the Pamir: *Basin Research*, 2019;00:1-21. doi.org/10.1111/bre.12381
165. Kapp, P., and DeCelles, P.G., 2019, Mesozoic-Cenozoic geological evolution of the Himalayan-Tibetan orogen and working tectonic hypotheses: *American Journal of Science*, v. 319, p. 159-254.
164. Carrapa, B., DeCelles, P.G., and Romero, M., 2019, Early inception of the Laramide orogeny in southwestern Montana and northern Wyoming: implications for models of flat-slab subduction: *Journal of Geophysical Research-Solid Earth*, 124, 2102-2123. doi.org/10.1029/2018JB016888

163. Kortyna, C.[†], DeCelles, P.G., and Carrapa, B., 2019, Structural and thermochronologic constraints on kinematics, timing and shortening during inversion of the Salta Rift in the Tonco-Amblayo sector of the Andean retroarc fold-thrust belt, northwestern Argentina, in Horton, B.K., and Folguera, A., eds., *Andean Tectonics*, Elsevier, p. 429-464. doi.org/10.1016/B978-0-12-816009-1.00018-6
162. Henriquez, S.[†], DeCelles, P.G., and Carrapa, B., 2018, Cretaceous to middle Cenozoic exhumation history of the Cordillera de Domeyko and Salar de Atacama basin, northern Chile: *Tectonics*, v. 38, p. 395-416. doi.org/10.1029/2018TC005203
161. He, J., Kapp, P., Chapman, J.B.[†], DeCelles, P.G., and Carrapa, B., 2018, Structural setting and detrital zircon U-Pb geochronology of Triassic—Cenozoic strata in the eastern Central Pamir, Tajikistan: in Treloar, P., ed., *Himalayan Tectonics: A Modern Synthesis*: Geological Society, London, Special Publications, 483. doi.org/10.1144/SP483.11
160. DeCelles, P.G., Leary, R.J.[†], and Kapp, P., 2018, Cenozoic basin evolution in the Indus-Yarlung suture zone and High Himalaya, in Ingersoll, R.V., Lawton, T.F., and Graham, S.A., eds., *Tectonics, Sedimentary Basins, and Provenance: A Celebration of William R. Dickinson's Career*: Geological Society of America Special Paper 540, p. 707-739. doi.org/10.1130/2018.2540(30)
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49. Quade, J.*, Brooks-English, N., and DeCelles, P. G., 1999, Geological Society of America Abstracts with Programs: p. A374.
48. English, N. B.*, Quade, J., DeCelles, P. G., and Garzzone, C. N., 1999, Geologic control of Sr and major element chemistry in Himalayan rivers, Nepal: Geological Society of America Abstracts with Programs, p. A298.
47. Robinson, D. M., DeCelles, P. G.*, Patchett, J. P., Garzzone, C. N., and Isachsen, C., 1999, Regional paleotectonic history and characterization of the Lesser, Greater, and Tethyan Himalayan zones using Nd isotopes, Nepal: Geological Society of America Abstracts with Programs: p. A374.
46. Garzzone, C. N.*, DeCelles, P. G., and Hodkinson, D. G., 1999, Late Miocene-Pliocene E-W extensional basin development in the southern Tibetan Plateau, Thakkhola Graben, Nepal: 14th Himalaya-Karakoram-Tibet Workshop Abstracts, p. 51-53.
45. Garzzone, C. N.*, Quade, J., Dettman, D. L., and DeCelles, P. G., 1998, C and O isotopic evidence from Thakkhola graben paleosols and fossils, Nepal: Implications for Tibetan Plateau uplift history: Eos Transactions, AGU, V. 79, p. 814.
44. DeCelles, P. G.*, Gehrels, G. E., and Kapp, P. A., 1997, Constraints on Neogene Himalayan kinematic history from modal petrographic and detrital zircon provenance data, western Nepal: American Association of Petroleum Geologists, Annual Convention, Abstracts with Programs, p. A27.
43. Horton, B. K.*, DeCelles, P. G., and Currie, B. S., 1997, Comparison of the North American Cordilleran retroarc foreland with the modern central Andean foreland basin system: Geological Society of America Abstracts with Programs, 29, p. A203.
42. DeCelles, P. G.*, Gehrels, G. E., Kapp, P. A., Quade, J., and Ojha, T. P., 1996, Modal petrographic and detrital zircon provenance data from Siwaliks and Dumri sandstones, western and central Nepal: Eleventh international Himalayan-Karakoram-Tibet Workshop, Flagstaff, Arizona, p. 43.
41. Currie, B. S.*, and DeCelles, P. G., 1996, Long-term sediment accumulation in the Middle Jurassic-Eocene Cordilleran foreland basin system: reconciling stratigraphic and structural/metamorphic records of mountain building: Geological Society of America Abstracts with Programs, 28, p. A257.
40. Currie, B. S., Beck, S., DeCelles, P. G., Chase, C., Tindall, S., Kutney, M.*, Moore, J., and Haldar, J., 1996, A regional approach to geology field camp: mapping a transect from the Colorado Plateau through the Basin and Range, Utah and Nevada: Geological Society of America Abstracts with Programs, 28, p. A321.
39. DeCelles, P.G.*, Lawton, T.F., and Mitra, G., 1995, Timing of Sevier thrusting, central Utah Sevier fold-thrust belt: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 8.
38. DeCelles, P.G.*, and Mitra, G., 1995, History of northeast Utah Sevier orogenic wedge in terms of critical taper models: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 8.

37. Lawton, T.F.*, Sprinkel, D.A., DeCelles, P.G., and Waanders, G., 1995, Cretaceous nonmarine stratigraphy of thrust belt and proximal foreland basin, Sevier belt of central Utah, USA: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 43.
36. DeCelles, P. G.*, and Cavazza, W., 1995, Deposition of upper Messinian conglomerates in Calabria in response to orogenic wedge adjustment following Mediterranean sea-level changes: EOS abstracts, p. F621.
35. Mitra, G.*, Sussman, A.J., Pequera, N., DeCelles, P.G., and Coogan, J.C., 1995, Structural evolution of the Canyon Range, Sevier orogenic wedge: implications for critical wedge taper: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 7.
34. Coogan, J.C.*, DeCelles, P.G., Mitra, G., and Sussman, A.J., 1995, New regional balanced cross section across the Sevier Desert region and central Utah thrust belt: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 7.
33. Rhoades, M.L.*, and DeCelles, P.G., 1995, The provenance of middle Tertiary sandstones of the San Emigdio Range and Tehachapi Range, southern California: AAPG, SEPM, SEG Pacific Section Meeting, abstracts with program.
32. Cavazza, W.*, and DeCelles, P. G., 1995, Ductile extensional deformation and Miocene supra-detachment sedimentation in the Saint Florent basin (northern Corsica, France): 1995 Annual Meeting - IGCP Project No. 369, Mamaia (Romania), Abstracts and Program Volume, p. 25.
31. DeCelles, P.G.*, Mitra, G., and Lawton, T.F., 1993, The Canyon Range culmination, central Utah Sevier thrust belt: longterm control on synorogenic sedimentation in Cordilleran foreland basin: Geological Society of America Abstracts with Programs, 25.
30. Cole, R.B.*, and DeCelles, P.G., 1993, Control by ridge-trench interactions on mid-Tertiary basin development and volcanism, western California: Geological Society of America Abstracts with Programs, 25, in press.
29. DeCelles, P.G.*, Pile, H.T., and Currie, B.S., 1992, Regional stratigraphic analysis of Jurassic-Cretaceous nonmarine rocks, central Western Interior Basin: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 22.
28. DeCelles, P.G.*, 1992, 20 Ma of synorogenic sedimentation in response to growth of the Wasatch culmination, NE Utah: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 22.
27. DeCelles, P.G.*, and Burden, E.T., 1992, A field test of theoretical models of overfilled foreland basins, central Wyoming: American Association of Petroleum Geologists Bulletin, 77,
26. Ridgway, K.D.*, DeCelles, P.G., and Cole, R.B., 1992, Influence of Laramide thrusting on Paleogene alluvial-fan conglomerates, Bighorn Range, Wyoming: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 56.
25. Cole, R.B.*, and DeCelles, P.G., 1991, Sedimentology and petrography as indicators of variable depositional processes within a progradational pyroclastic sequence, southern San Joaquin basin, California: Geological Society of America, Abstracts with Programs, 23, 14.
24. Ridgway, K.D.*, Cole, R.B., and DeCelles, P.G., 1991, Unroofing history, alluvial-fan facies and deformation of Paleogene synorogenic conglomerates, Bighorn Range, Wyoming: Geological Society of America, Abstracts with Programs, 23, A131.
23. Ridgway, K.D.*, and DeCelles, P.G., 1991, Tectonic controls on depositional systems in nonmarine strike-slip basins: Denali fault system, Yukon Territory: Geological Society of America, Abstracts with Programs, 23, A92.
22. Ridgway, K.D., and DeCelles, P.G., 1991, Stream-dominated alluvial-fan and lacustrine depositional systems in Cenozoic strike-slip basins, Denali fault system, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 23, A462.

21. Cavazza, W.*, and DeCelles, P.G., 1991, Geometric reconstruction of Miocene submarine canyons in eastern Calabria (southern Italy): International Association of Sedimentologists, Bergen, Norway.
20. DeCelles, P.G.*, 1990, Comparison of a major syntaxial foreland-basin fluvial system in the Cretaceous Cloverly Formation of central Wyoming with fluvial systems in the Andean foreland basin of Peru and Bolivia: Geological Society of America, Rocky Mountain Section, Abstracts with Programs, 22, A7-A8.
19. DeCelles, P.G.*, and Gray, M.B., 1990, Use of synorogenic conglomerates to retrodeform thrust-faulted uplifts: 13th International Sedimentological Congress, International Association of Sedimentologists, Nottingham, 125-126.
18. DeCelles, P.G., Gray, M.B.*, Ridgway, K.D., Pequera, N., Cole, R.B., Srivastava, P., and Pivnik, D.A., 1990, Constraints on kinematics of foreland uplift from structural and conglomerate provenance data, Beartooth Range, Montana and Wyoming: Geological Society of America, Rocky Mountain Section, Abstracts with Programs, 22, A8.
17. Ridgway, K.D.*, and DeCelles, P.G., 1990, Convergent and divergent strike-slip basins along the Denali fault system, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 22, A228.
16. Cole, R.B.*, and DeCelles, P.G., 1990, Tectonic implications of Early Miocene volcanic rocks, San Joaquin basin: American Association Petroleum Geologists Bulletin, 74, 631.
15. Graham, S.A.*, DeCelles, P.G., Carroll, A.R., and Goodman, E.D., 1990, Middle Tertiary contractile deformation, uplift, extension, and rotation in the San Emigdio Range, southern California: American Association Petroleum Geologists Bulletin, 74, 665.
14. Sharma, M.*, Cole, R.B., DeCelles, P.G., and Basu, A.R., 1990, Basalt-dacite volcanism by MORB-continent crust interaction: Sr-Nd isotopic and trace elemental evidence, Tecuya volcanics, southern California: American Geophysical Union Midyear Meeting Abstracts, 71, 665.
13. DeCelles, P.G.*, Cole, R.B., Gray, M.B., Pequera, N., Ridgway, K.D., Pivnik, D., and Srivastava, P., 1989, Paleocene-Eocene synorogenic sedimentation, northwestern Wyoming, U.S.A.: International Association of Sedimentologists, International Fluvial Congress, Barcelona, 117.
12. Ridgway, K.D.*, Cameron, A., Sweet, A.R., and DeCelles, P.G., 1989, Evolution of a strike-slip basin as defined by sedimentology, palynology and organic petrology, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 21, A50.
11. Cole, R.B.*, Ridgway, K.D., and DeCelles, P.G., 1989, Late-stage deposition within a Cenozoic strike-slip basin: fluvial/basalt/pyroclastic transitions, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 21, A128.
10. Sharma, M., Basu, A.R.*, and DeCelles, P.G., 1989, Nd-Sr isotopes and trace element geochemistry of Amazonian fluvial sands from Bolivia and Peru: implications for magma contamination in the Central Volcanic Zone (CVZ) and tectonics of the Andes: Geological Society of America, Abstracts with Programs, 21, A190.
9. Meyers, J.H.*, Schwartz, R.K., and DeCelles, P.G., 1989, Influence of pre-Laramide tectonic partitioning of the Wyoming foreland basin on Early Cretaceous sedimentation, Geological Society of America, Abstracts with Programs, 20, 117.
8. DeCelles, P.G.*, 1988, Eustatic vs. tectonic controls on middle Cenozoic sedimentation in the San Joaquin basin, California: Geological Society of America, Abstracts with Programs, 20, A379-A380.
7. Schwartz, R.K.*, and DeCelles, P.G., 1987, Temporally linked thrusting, intraforeland uplift and progradational coarsening in the nascent (pre-Turonian) foreland of southwest Montana: Geological Society of America, Abstracts with Programs, 19, 836.
6. DeCelles, P.G.*, and Schmidt, C.J., 1987, Synorogenic sedimentation and timing of foreland thrusting, southwest Montana: Geological Society of America, Abstracts with Programs, 19, 638.

5. Suttner, L.J.*, DeCelles, P.G., and Berkhouse, G.A., 1985, Tectonic controls on Early Cretaceous sedimentation in the foreland basin of western Montana: International Association of Sedimentologists, International Symposium on Foreland Basins, Fribourg, 120.
4. DeCelles, P.G.*, 1984, Non-marine sedimentation in a tectonically partitioned foreland basin: the Kootenai Formation, southwestern Montana: Geological Society of America, Abstracts with Programs, 16.
3. DeCelles, P.G.*, and Gutschick, R.C., 1983, Mississippian wood-grained chert in western United States and its significance: Geological Society of America, Abstracts with Programs, 15, 555.
2. Schwartz, R.K.*, DeCelles, P.G., and Suttner, L.J., 1983, Tectonic control on Early Cretaceous foreland basin evolution and sedimentation in southwestern Montana: Geological Society of America, Abstracts with Programs, 15, 682.
1. DeCelles, P.G.*, 1982, Sediment dispersal in the lower Kootenai Formation (Lower Cretaceous), southwestern Montana: Geological Society of America, Abstracts with Programs, 14, 309.

GRADUATE THESES and DISSERTATIONS SUPERVISED (completed)

37. Ronemus, C.B., 2025, Cretaceous to Cenozoic Evolution of the Southern Central Andes and Basins Therein: Ph.D. Dissertation, University of Arizona, 360 pp.
36. Sherpa, T.Z.L., 2024, Magnitude, Architecture, Timing and Rate of Regional Deformation and Metamorphism in the Himalayan thrust belt of Nepal: Ph.D. Dissertation, University of Arizona, 236 pp.
35. Felipe Rodrigues Ferroni, 2023, Paleozoic to Cenozoic History of Basin Subsidence in the Sub-Andean Zone of Bolivia and Argentina (21-22°S): Ph.D. Dissertation, University of Arizona, 240 pp.
34. Robert G. Hayes, 2022, Reconstructing Triassic Paleogeography of the Southwestern U.S.A. from the Moenkopi and Chinle Formations: Ph.D. Dissertation, University of Arizona, 197 pp. plus supplementary tables.
33. Lama Sherpa, T.Z., 2020, Tectonic Evolution of the Bhumichula Plateau: A high elevation low relief surface in western Nepalese Himalaya: Unpublished M.S. Thesis, University of Arizona, 77 p.
32. Henriquez, S.M., 2019, Tectono-thermal evolution of the thrust belt in the Central Andes between 23-24S: Ph.D. Dissertation, University of Arizona, 244 pp.
31. Chapman, J.B., V, 2018, Orogenic evolution of the Pamir Mountains: Ph.D. Dissertation, University of Arizona, 223 pp.
30. Leary, R., 2015, Post-collisional evolution of the India-Asia suture zone: basin development, paleogeography, paleoaltimetry, and paleoclimate: Ph.D. Dissertation, University of Arizona.
29. Cross, E.A., 2014, The structure, stratigraphy, and evolution of the Lesser Himalayan thrust belt of central Nepal: M.S. Thesis, University of Arizona, 98 pp.
28. Kortyna, C., 2013, Structural and thermochronologic constraints on kinematics, timing and shortening during inversion of the Salta rift into the Andean fold-thrust belt, northwest Argentina: M.S. Thesis, University of Arizona 72 pp.
27. Safipour, R., 2012, Shortening in the central Andes at the transition to flat-slab subduction: M.S. Thesis, University of Arizona, 89 pp.
26. Leary, R., 2011, Tectonic significance of the Ericson Formation, Rock Springs uplift, SW Wyoming: M.S. Thesis, University of Arizona 104 pp.
25. Umlauf, K., 2011, Insights into the Timing of Uplift Along the Western Edge of the Central Andes, Northern Chile, M.S. Thesis, University of Arizona, 77 pp.
24. Fuentes, F., 2010, Regional structure and foreland basin history of the northwestern Montana Cordilleran orogenic belt, Ph.D. Dissertation, University of Arizona.

23. Peyton, S.L., 2009, Low-temperature thermochronology of the Laramide ranges and eastward translation of shortening in the Sevier belt, Wyoming, Utah and Montana, Ph.D. Dissertation, University of Arizona, 183 pp.
22. Fan, M., 2009, Geochemistry and basin analysis of Laramide Rocky Mountain basins, Ph.D. Dissertation, University of Arizona.
21. Ojha, T.P., 2009, Magnetostratigraphy, topography and geology of the Nepal Himalaya: a GIS and paleomagnetic approach, Ph.D. Dissertation, University of Arizona, 221 pp.
20. McBride, S., 2008, Sediment provenance and tectonic significance of the Cretaceous Pirgua Subgroup, NW Argentina: M. S. thesis, University of Arizona, 52 pp.
19. Saylor, J., 2008, The late Miocene through Modern evolution of the Zhada basin, south-western Tibet: Ph.D. Dissertation, University of Arizona, 306 pp.
18. Fabijanic, J.M., 2006, Synorogenic sediments in the central Lhasa terrane and implications for the tectonic history of the Tibet prior to the Indo-Asian collision: M.S. thesis, University of Arizona, 62 pp.
17. Leier, A.L., 2005, The Cretaceous evolution of the Lhasa terrane, southern Tibet: Ph.D. Dissertation, University of Arizona, 234 pp.
16. Martin, A.J., 2005, Tectonics of the southern Annapurna Range, central Nepal Himalaya: Ph.D. Dissertation, University of Arizona, 203 pp.
15. Barbeau, D.L., 2003, Application of growth strata and detrital-zircon geochronology to stratigraphic architecture and kinematic history: Ph.D. Dissertation, University of Arizona, 227 pp.
14. Pearson, O.N., 2002, Structural evolution of the central Nepal fold-thrust belt and regional tectonic and structural significance of the Ramgarh thrust: Ph.D. Dissertation, University of Arizona, 241 pp.
13. Robinson, D.M. 2001, Structural and Nd-isotopic evidence for the tectonic evolution of the Himalayan fold-thrust belt, western Nepal and the northern Tibetan Plateau: Ph.D. Dissertation, University of Arizona, 224 pp.
12. McQuarrie, N., 2001, The making of a high elevation orogenic plateau: the central Andes of Bolivia: Ph.D. Dissertation, University of Arizona, 255 pp.
11. Barbeau, D.L., 2000, A flexural model for the Paradox Basin: implications for the tectonics of the Ancestral Rocky Mountains: M. S. thesis, University of Arizona.
10. Garziona, C.N., 2000, Evolution of Thakkhola graben and Paleoelevation in the Southern Tibetan Plateau, Nepal: Ph.D. Dissertation, University of Arizona, 146 pp.
9. Horton, B.K., 1998, Late Cretaceous to Recent evolution of the foreland basin system and associated fold-thrust belt in the central Andes of Bolivia: Ph.D. Dissertation, University of Arizona, 208 pp.
8. Currie, B.S., 1997, Jurassic-Cretaceous evolution of the central Cordilleran foreland-basin system: Ph.D. Dissertation, University of Arizona, 275 pp.
7. Haldar, J.K., 1997, Evolution of Late Cretaceous-Paleocene nonmarine deposystems in the Thistle wedge-top basin, east central Utah: M. S. thesis, University of Arizona, 65 pp.
6. Currie, B.S., 1993, Sedimentology, stratigraphy and petrology of the Jurassic-Cretaceous Morrison and Cedar Mountain formations and relationships between nonmarine deposition and early Cordilleran foreland basin development, NE Utah-NW Colorado: M.S. thesis, University of Rochester, 91 pp.
5. Cole, R.B., 1993, Middle Tertiary sedimentation and volcanism in southern California along a convergent-to-transform plate boundary: Ph.D. dissertation, University of Rochester, 250 pp.
4. Rhoades, M.L., 1992, Provenance of middle Tertiary sandstones of the San Emigdio and Tehachapi Mountains, southern California; M.S. thesis, University of Rochester, 117 pp.

3. Ridgway, K.D., 1992, Cenozoic tectonics of the Denali fault system, Saint Elias Mountains, Yukon Territory: Synorogenic sedimentation, basin development, and deformation along a transform fault system: Ph.D. dissertation, University of Rochester, 400 pp.
2. Cole, R.B., 1989, Early Miocene volcanism in the southern San Joaquin basin, California: origin and tectonic implications based on facies analysis and trace element geochemistry: M.S. thesis, University of Rochester, 120 pp.
1. Pivnik, D.A., 1988, Compositional and sedimentological trends in Late Cretaceous Little Muddy Creek and Sphinx Conglomerates as signatures of timing and style of thrust-related deformation: M.S. thesis, University of Rochester, 122 pp.

COURSES TAUGHT

Undergraduate: Sedimentology & Stratigraphy, Introduction to Physical Geology, Summer Field Geology, Fieldcamp Preparation

Graduate: Advanced Physical Sedimentology, Thrust Belts & Foreland Basins, Basin Analysis, Orogenic Systems, Sedimentary Petrology, Sequence Stratigraphy, various seminars

GRADUATE STUDENTS AND POST-DOCS

Pivnik, D. A., 1988, M.S., now Vice President of Exploration and New Ventures, Apex International Energy.

Ridgway, K. D., 1992, Ph.D., now tenured Professor, Purdue University.

Cole, R. B., 1993, Ph.D., now tenured Professor and President, Allegheny College.

Rhoades, M. L., 1992, M.S., now Special Lecturer, St. John Fisher College, Rochester, NY.

Haldar, J. K., 1997, M. S., now Senior Vice President, Digital River.

Coogan, J.C., 1994-95, Postdoctoral scholar, now independent consultant.

Currie, B. S., 1997, Ph.D., now tenured Professor, Miami University.

Horton, B.K., 1998, Ph.D., now Gregory Chair in Sedimentary Geology, University of Texas, Austin.

Constenius, K.N., 1999-2001, Postdoctoral scholar, now private consultant in petroleum industry.

Garziona, C. N., 2000, Ph.D., now tenured Professor and Dean of College of Science, University of Arizona.

Barbeau, D. L., 2000, M. S., 2004 Ph.D., now tenured Associate Professor, University of South Carolina.

McQuarrie, N., 2001, Ph.D., now tenured Professor, University of Pittsburgh.

Robinson, D. M., 2001, Ph.D., now tenured Professor, University of Alabama.

Pearson, O.N., 2002, Ph.D., now Associate Science Center Director, U.S. Geological Survey, Denver.

Martin, A.J., 2005, Ph.D., now Assistant Term Professor, George Mason University.

Leier, A., 2005, Ph.D., now tenured Associate Professor, University of South Carolina.

Fuentes, F., 2005, M.S., 2010 Ph.D., now Senior Exploration Geologist, YPF, Argentina.

Fabijanac, M.J., 2005, M.S., now Exploration Geologist with ExxonMobil Corporation.

Saylor, J., 2008, Ph.D., now tenured Associate Professor, University of British Columbia.

Fan, M., 2009, Ph.D., now tenured Professor, University of Texas-Arlington.

Ojha, T.P., 2009, Ph.D., now Research Manager, University of Arizona.

Peyton, S.L., 2009, Ph.D., now owner-operator of Coal Creek Resources, Denver, CO.

Safipour, R., 2011, M.S., now in private enterprise Denver, CO area.

Umlauf, K., 2011, M.S., now with Conoco-Phillips.

Kortyna, C., 2013, M.S., now Postdoctoral Fellow, University of Connecticut.
 Cross, E.A., 2014, M.S., now with Novi Labs, Austin, TX.
 Leary, R.J., 2015, Ph.D., now tenured Associate Professor, New Mexico Institute of Technology.
 Chapman, J.B., 2018, Ph.D., now Assistant Professor, University of Texas-El Paso.
 Henriquez, S.M., 2019, Ph.D., now Assistant Professor, California State University, San Bernardino.
 Sherpa, T.Z.L., 2020, M.S.; 2024, Ph.D., now Postdoctoral Scholar, University of Washington; fall, 2026 Assistant Professor, Florida International University.
 Hayes, R.G., 2022, Ph.D., now Senior Technician, Plymouth University, UK.
 Ferroni, F., 2023, Ph.D., now senior exploration geologist with Petrobras, Rio de Janeiro.
 Ronemus, C.B., 2025, Ph.D., now NSF postdoctoral fellow, Idaho State University; fall, 2026 Assistant Professor, University of Calgary.

RESEARCH GRANTS (DeCelles is lead P.I. unless listed otherwise)

2021-2025	Lithospheric Dripping in Central Tibet: Underappreciated Factor in Orogenic Plateau Development? National Science Foundation, \$443,185 (co-PI is Paul Kapp).
2020-2025	Collaborative Research: TransANdean Great Orogeny (TANGO), National Science Foundation, \$2,204,385 (Lead PI is S.L. Beck).
2022	One-year supplement to Are Remnants of the Tibetan Plateau Preserved in the Southern Himalayan Thrust Belt? National Science Foundation, \$51,408.
2019-2022	Timing of cooling and exhumation of Laramide uplifts informs models of flat-slab subduction, National Science Foundation, \$360,000 (co-PI is B. Carrapa).
2018-2021	Are Remnants of the Tibetan Plateau Preserved in the Southern Himalayan Thrust Belt? National Science Foundation, \$469,780.
2016-2019	Collaborative Research: Subduction Dynamics, Mantle Structure, and Cenozoic Tectonic Evolution of South America, National Science Foundation, \$319,150 (co-P.I.s Lijun Liu and Susan Beck).
2015-2018	Collaborative Research: Tectonic Significance of Long Run-Out Coarse-Grained Facies in the Cordilleran Foreland Basin, National Science Foundation, \$227,993.
2016	In Search of the Edge of Tibet: Are High Plateau Remnants Preserved in the Himalaya? National Geographic Society, \$22,100.
2012-2014	Erosion and exhumation history of the Nepalese frontal Himalaya since earliest Miocene time: constraints on kinematic history, National Science Foundation, \$513,085 (one year no-cost extension in effect).
2010-2013	Convergent Orogenic Systems Analysis-2: ExxonMobil, \$1,890,000.
2011-2014	Collaborative Research: The suturing process: Insight from the India-Asia collision zone, \$ 1,930,706. (lead P.I. is P. Kapp)
2009-2010	One-year extension of Investigation of syncollisional extension and basin development in the high Himalaya: National Science Foundation, \$49,886.
2007-2008	A New Geological Map of Nepal: National Geographic Society, \$20,040.
2007-2010	Convergent Orogenic Systems Analysis: ExxonMobil, \$1,500,000.

- 2007-2010 Collaborative Research: Stratigraphic signatures of orogeny, assessing the timing of initial Andean crustal shortening: National Science Foundation, \$110,525.
- 2005-2008 Global Assessment of Fold-Thrust Belts and Foreland Basins: ExxonMobil, \$373,787.
- 2005-2007 Collaborative Research: Investigation of syncollisional extension and basin development in the high Himalaya: National Science Foundation, \$290,708.
- 2003-2006 Cretaceous-Earliest Tertiary Basin Development, Deformation, and Magmatism in Southern Tibet: Implications for Pre-Indo-Asian Collision Lithospheric Structure: National Science Foundation, \$243,731.
- 2003-2004 Geostructure Partnership, ExxonMobil, \$20,000.
- 2002-2004 A test of the out-of-sequence model for the Main Central thrust, western Nepal: National Science Foundation, \$213,234.
- 2002-2004 Dissertation support and fellowship for David Barbeau, ExxonMobil URC, \$75,000.
- 2002-2003 Geostructure Partnership, ExxonMobil, \$20,000.
- 2001-2003 Early Paleozoic tectonism in the Himalaya: National Science Foundation, \$195,756.
- 2001-2002 Geostructure Partnership, ExxonMobil, \$20,000.
- 1999-2001 3-D kinematic evolution of the Charleston-Nebo salient, Sevier fold-thrust belt: National Science Foundation, \$115,518.
- 1999-2001 Nd isotopic study of foreland basin sediments and source terranes of the Himalayan fold-thrust belt: Implications for regional tectonic history: National Science Foundation, \$49,826.
- 1998-2000 Late Cretaceous-Tertiary foreland basin evolution in the Eastern Cordillera of southern Bolivia: National Science Foundation, \$93,303.
- 1999-2000 Geostructure Partnership, British Petroleum, \$20,000.
Geostructure Partnership, Conoco, \$20,000.
- 1998-1999 Geostructure Partnership, British Petroleum, \$20,000.
Geostructure Partnership, Conoco, \$20,000.
- 1998 British Petroleum, \$5,000 for support of Ph.D. student Brian Horton's research in the Andes.
- 1998-2000 The $^{87}\text{Sr}/^{86}\text{Sr}$ record of Himalayan paleorivers during the Neogene: patterns and causes: National Science Foundation, \$335,764.
- 1996-1998 Kinematic history of a retroarc fold-thrust orogen: the Sevier orogenic belt, Utah and Wyoming: National Science Foundation, \$70,000.
- 1995-1997 Erosional unroofing of the Nepal Himalayas over the past 12 m.y.: $^{87}\text{Sr}/^{86}\text{Sr}$ and sedimentary petrological indicators from Siwalik foreland deposits: National Science Foundation, \$190,831.
- 1995 Miocene-Pliocene erosional unroofing of the Himalayan thrust belt, Nepal: University of Arizona Foundation, \$5,000.
- 1994 Cooperative research between the University of Arizona Geosciences Department and CogniSeis Development, Inc.: GeoSec software grant, equivalent to \$55,000.
- 1993-1996 Tectonic controls on distal, thrust-derived sediment, Bighorn basin, Wyoming: National Science Foundation, \$95,000.

- 1993-1995 Reconstruction of thrust-wedge taper in the Wyoming-Utah Sevier thrust belt: National Science Foundation, \$107,154.
- 1992-1994 Incremental retrodeformation of NE Utah thrust belt using late Cretaceous-Paleocene synorogenic conglomerates: National Science Foundation, \$65,000.
- 1991-1993 Regional sequence-stratigraphic and geochronologic analysis of Cordilleran foreland basin, Wyoming and Idaho: National Science Foundation, \$37,123.
- 1990-1992 Middle Cenozoic syntectonic sedimentation along the Denali fault, Yukon Territory, Canada: American Chemical Society, Petroleum Research Fund, \$40,000.
- 1990-1991 Tectonic implications of Neogene submarine-slope clastics, southern Italy: National Science Foundation-NATO Fellowship, \$36,321.
- 1989 Acquisition of automated X-ray diffractometer: National Science Foundation, \$34,441.
- 1989-1991 Facies and provenance modeling of thrust-derived synorogenic conglomerates: National Science Foundation, \$50,000.
- 1988-1990 Regional tectonic-stratigraphic analysis of Late Jurassic-Early Cretaceous Cordilleran foreland basin: National Science Foundation, \$27,400.
- 1987-1989 Petrologic controls and tectonic setting of a middle Tertiary fan-delta sequence, southern California: American Chemical Society, Petroleum Research Fund, \$34,960.