**Host Institution:**
University of Colorado, Aurora, Colorado, USA

**Areas of expertise of clinical and research mentors:**

**Clinical Mentors:**
- **Jason Kolfenbach:** ophthalmologic manifestations of rheumatic disease, systemic sclerosis
- **Sterling West:** metabolic bone disease, CNS manifestations of systemic lupus erythematosus

**Research Mentors:**
- **Kevin Deane, MD, PhD:** Dr. Deane has expertise in research in mucosal origins of rheumatoid arthritis (RA), and he is also the PI on an NIH-funded trial for rheumatoid arthritis prevention.
- **V. Michael Holers, MD,** Division Head of Rheumatology: Dr. Holers has expertise in preclinical RA, and immunologic aspects of RA development.
- **M. Kristen Demoruelle, MD:** Dr. Demoruelle has expertise in mucosal biology in preclinical RA.
- **Kristi Kuhn, MD, PhD:** Dr. Kuhn has basic science expertise in animal models of arthritis and seronegative spondyloarthropathies.

For this exchange program, Dr. Deane will serve as the overall director of the research experience, and coordinate activities involving his own research as well as the activities of other mentors. Activities will include IRB training, weekly didactic education, direct participation in research projects, and attendance at lab meetings and research presentations including opportunities for award recipient to discuss his/her own research.

**Institutional Description and Areas of Excellence:**

**Clinical:**
The primary goal of our rheumatology fellowship program is to train excellent rheumatologists to enter academic or private practice. Clinical training opportunities exist at three separate hospitals: the University Of Colorado Hospital, Denver Health Medical Center, and the Denver VA Medical Center, exposing our trainees to a broad array of inflammatory and non-inflammatory rheumatic conditions. In addition to continuity clinic experience and inpatient consultative work, our trainees are offered subspecialty training in several additional fields such as scleroderma, metabolic bone disease, rheumatic lung disease, and inflammatory eye disease clinic. Our faculty includes numerous clinician educators who have been honored both locally and nationally for their excellence in teaching and clinical care (most recently with Dr. Sterling West, who was given the Distinguished Program Director Award from the ACR in 2016).
Research:
Our faculty carries out a broad range of exceptional research, which enriches the educational program of our trainees. Examples of the wide array of opportunities that will be available to participants in the ACR/PANLAR program include clinical and translational research into preclinical RA (Drs. Deane, Holers and Demoruelle), where individuals who are at-risk for future RA (due to family history or elevation of disease-specific biomarkers) are evaluated prospectively to learn about how RA develops. In addition, we have an ongoing clinical prevention trial for RA. Furthermore, our division is involved in research into the mucosal and microbiologic drivers of rheumatic disease, with an emphasis on animal models, as well as clinical/translational research into seronegative spondyloarthropathies (Dr. Kuhn).

Clinical and didactic schedule:
Schedule Outline for Visiting Trainee

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
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<tbody>
<tr>
<td>8am-12pm</td>
<td>Fellow Continuity Clinic</td>
<td>Didactic Education Clinical Rheumatology*</td>
<td>Didactic Education* Research (Deane as lead; multiple) and research participation (Multiple)</td>
<td>Research participation (Multiple)</td>
<td>Autoimmune Eye Clinic (Koltenbach)</td>
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<tr>
<td>1pm-5pm</td>
<td>Scleroderma Clinic (Koltenbach)</td>
<td>Research (Multiple)</td>
<td>Inpatient Consults</td>
<td>Inpatient Consults</td>
<td>Metabolic Bone Clinic (West)</td>
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* Specific didactic presentations may differ depending on the timing of the visiting trainee but includes attendance at Division Grand Rounds, Research In Progress presentations, Journal Clubs and Problem Case Conference. In addition, there are didactic lectures to fellows on specific aspects of rheumatic disease pathophysiology and clinical care.