## Projects - approved in 2019

### Research area - Daylight Research

<table>
<thead>
<tr>
<th>Project no.</th>
<th>Title</th>
<th>Principal Investigator</th>
<th>Further Applicants</th>
<th>Main Institution</th>
<th>Grant in CHF</th>
<th>Project duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1174</td>
<td>‘Daylight in sustainable design’ Research platform</td>
<td>Klumpner, Hubert</td>
<td>Glaser, Marie / Schluter, Arno</td>
<td>ETH Zurich, Switzerland</td>
<td>CHF 552'000</td>
<td>2 years</td>
</tr>
<tr>
<td>1254</td>
<td>Coupling internal and external eye simulation for a better prediction of natural and artificial light exposure (InExES)</td>
<td>Moccuzzo, Laurent</td>
<td>Vernez, David / Behar-Cohen, Francine</td>
<td>University of Geneva, Switzerland</td>
<td>CHF 314'000</td>
<td>4 years</td>
</tr>
<tr>
<td>1266</td>
<td>Molecular basis for GASAnergic polarization and seasonal entrainment</td>
<td>Tyagarajan, Shiva</td>
<td></td>
<td>University of Zurich, Switzerland</td>
<td>CHF 380'000</td>
<td>3.3 years</td>
</tr>
<tr>
<td>1284</td>
<td>Daylight photodynamic therapy combined with natural medicine products - New opportunities for wound healing</td>
<td>Maake, Caroline</td>
<td>Heinrich, Michael / Weckerle, Caroline</td>
<td>University of Zurich, Switzerland</td>
<td>CHF 446'000</td>
<td>4 years</td>
</tr>
<tr>
<td>1289</td>
<td>Individual sleep: How light exposure during early life shapes timing and quality of sleep in adulthood</td>
<td>De Boer, Tom</td>
<td>Michel, Stephanie</td>
<td>Leiden University Medical Center, Netherland</td>
<td>EUR 365'000</td>
<td>4 years</td>
</tr>
<tr>
<td>1350</td>
<td>Enabling interactive glare risk assessment for building design</td>
<td>Slussalek, Philipp</td>
<td>Membarth, Richard / Bueno, Bruno</td>
<td>University of Saarland, Germany</td>
<td>EUR 383'505</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Research area - Healthy Ageing

<table>
<thead>
<tr>
<th>Project no.</th>
<th>Title</th>
<th>Principal Investigator</th>
<th>Further Applicants</th>
<th>Main Institution</th>
<th>Grant in CHF</th>
<th>Project duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1032a</td>
<td>Emotional and motivational factors in healthy aging: From lab to the home</td>
<td>Isaacowitz, Derek</td>
<td>Freund, Alexandra M.</td>
<td>Northeastern University, USA</td>
<td>CHF 596'000</td>
<td>2 years</td>
</tr>
<tr>
<td>1240</td>
<td>The persistence of memory</td>
<td>Hedges, Irene</td>
<td>Biller-Adorno, Nikola / Giet, Anton</td>
<td>Zurich University of the Arts, Switzerland</td>
<td>CHF 103'000</td>
<td>2 years</td>
</tr>
<tr>
<td>1247</td>
<td>Acceptance and commitment therapy as a new treatment for older adults with insomnia disorder</td>
<td>Herterstein, Elisabeth</td>
<td>Nissen, Christoph</td>
<td>Universitäts Psychiatrische Dienste Bern</td>
<td>CHF 81'000</td>
<td>2.5 years</td>
</tr>
<tr>
<td>1251</td>
<td>Targeting innate immunity in senescence</td>
<td>Albusser, Andrea</td>
<td></td>
<td>EPFL, Switzerland</td>
<td>CHF 265'000</td>
<td>3 years</td>
</tr>
<tr>
<td>1262</td>
<td>ER-mitochondria contacts in neurodegeneration. Looking for a novel therapeutic approach</td>
<td>Soriano, Francesc</td>
<td></td>
<td>University of Barcelona, Spain</td>
<td>EUR 268'000</td>
<td>3 years</td>
</tr>
<tr>
<td>1283</td>
<td>Day-to-day behavior captured on the smartphone as a measure of cognitive stats in aging</td>
<td>Gosh, Arko</td>
<td>Riddenikhof, Richard</td>
<td>Leiden University, Netherlands</td>
<td>EUR 322'000</td>
<td>4 years</td>
</tr>
<tr>
<td>1285</td>
<td>Responding to the challenge of healthy ageing with rehabilitation: towards a tailored research agenda</td>
<td>Stucki, Gerald</td>
<td>Bickenbach, Jerome</td>
<td>University of Lucerne, Switzerland</td>
<td>CHF 1'540'000</td>
<td>5 years</td>
</tr>
<tr>
<td>1307</td>
<td>Development of novel research strategies for the biological and clinical characterization of fatigue, a marker of aging.</td>
<td>Cesarri, Matteo</td>
<td>Montano, Nicola</td>
<td>University of Milan, Italy</td>
<td>EUR 145'000</td>
<td>2 years</td>
</tr>
<tr>
<td>1360</td>
<td>Programming the circadian clock with precision flashes of LED light</td>
<td>Fernandez, Fabian</td>
<td></td>
<td>University of Arizona, USA</td>
<td>USD 275'000</td>
<td>3 years</td>
</tr>
</tbody>
</table>

### Research area - Ophthalmology

<table>
<thead>
<tr>
<th>Project no.</th>
<th>Title</th>
<th>Principal Investigator</th>
<th>Further Applicants</th>
<th>Main Institution</th>
<th>Grant in CHF</th>
<th>Project duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1278</td>
<td>Development of a new non-contact screening method and instrument for the detection of narrow ocular anterior chamber angle</td>
<td>Quartera, Luciano</td>
<td>Rossi, Luigi / Oddone, Francesco / We University of Pavia, Italy</td>
<td>University of Pavia, Italy</td>
<td>EUR 367'000</td>
<td>3 years</td>
</tr>
<tr>
<td>1335</td>
<td>Functional screening for preventable vision loss associated with premature birth</td>
<td>Genth, Kahler</td>
<td>McCullough, Daphne / Hansen, James</td>
<td>University Hospital Zurich, Switzerland</td>
<td>CHF 85'600</td>
<td>1.5 years</td>
</tr>
<tr>
<td>1359</td>
<td>Vision enhancement with microsaccades: dysfunction in glaucoma and restoration by eye yoga</td>
<td>Sabel, Bernhard</td>
<td>Antal, Andrea</td>
<td>Otto-von-Guericke University of Magdeburg</td>
<td>EUR 269'800</td>
<td>2.75 years</td>
</tr>
</tbody>
</table>