## Relaxin (AZD7970)

**Last program update: August 5, 2020**

<table>
<thead>
<tr>
<th>Modality</th>
<th>ID #</th>
<th>Program Indication</th>
<th>Preclinical development</th>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3 and commercial</th>
<th>Moderna rights</th>
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<tbody>
<tr>
<td><strong>Systemic secreted &amp; cell surface therapeutics</strong></td>
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<td>mRNA-1944</td>
<td>AZD7970</td>
<td>Antibody against Chikungunya virus</td>
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<td>Worldwide DARPA funded</td>
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<td>mRNA-6981</td>
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<td>PD-L1 Autoimmune hepatitis</td>
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<td>mRNA-6231</td>
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<td>IL-2 Autoimmune disorders</td>
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**AZD7970** is in IND-enabling GLP toxicology studies.
A naturally occurring hormone (human relaxin-2), present in both men and women, that becomes elevated in pregnant women.

Protects from vascular overwork, increases renal function, promotes cell growth and survival, and maintains vessel structure.

Relaxin is a vasoactive peptide associated with cardiovascular remodeling.

Prior Novartis program failed to meet endpoints in multiple Phase 3 studies:
- Delivered as a 48 hr infusion
- Short serum half-life

AZD7970 has shown protein expression up to 10 days in NHP.

Species: NHP
- mRNA encoding for relaxin in our proprietary LNP

Moderna concept: IV-administered mRNA encoding relaxin peptide hormone with longer serum half-life to address heart failure.

Adapted from Du et al. Nat Rev Cardiol. 2010;7:48-58; Novartis serelaxin briefing document (Feb 2014)
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