

## Principal Scientist - Mid/Large Scale Oligonucleotide Synthesis, xRNA Therapeutics

Job ID  
REQ-10071560

2月 11, 2026

Switzerland

### 摘要

Location: Basel, Switzerland #onsite

#### Role Purpose:

Novartis xRNA Therapeutics is seeking a passionate and experienced PhD-level scientist to lead mid/large scale oligonucleotides synthesis and manage a team in Basel to support our xRNA Therapeutics development. This role requires extensive collaboration within a multidisciplinary environment, bridging research and development to enable the discovery and advancement of innovative siRNA therapies that address significant unmet medical needs.

### About the Role

#### Key Responsibilities

- Plan and execute medium- and large-scale solid-phase synthesis, purification, and analysis of chemically modified oligonucleotides and conjugates.
- Oversee a state-of-the-art oligonucleotide synthesis facility, including efficient management of capital and consumables budgets.
- Lead and mentor a team of scientists specializing in oligonucleotide synthesis, purification, analysis, and downstream processing at the millimole scale to support our growing siRNA portfolio.
- Ensure timely delivery of high-quality siRNA materials for in vitro screening and in vivo studies within drug candidate pipelines.
- Collaborate with discovery xRNA oligonucleotide synthesis teams in Basel and Cambridge.
- Provide technical leadership to the scale-up team, optimizing methodologies and processes for enhanced oligonucleotide synthesis efficiency.
- Partner with synthetic chemists and project teams to scale up new siRNA chemistries that address key scientific challenges and enable seamless progression into development.
- Document and clearly communicate scientific findings and insights to internal and external stakeholders through patent applications and scientific publications.
- Mentor, train, and support team members by sharing technical expertise and hands-on experience.
- Demonstrate strong problem solving skills and a solution-oriented mindset.

#### Minimum Requirements - What you will bring to the role:

- Ph.D. in Chemistry with a focus on oligonucleotide synthesis, plus 2-3 years of industry experience.
- Proven track record in mid/large scale oligonucleotide solid phase synthesis using automated synthesizers, and downstream processing including expertise in process development.
- Demonstrated leadership capabilities and experience developing scientific teams.
- Ability to promote and implement innovative ideas within a global team environment.
- Strong independent problem-solving skills.
- Highly collaborative mindset.
- Ability to manage multiple priorities effectively while maintaining focus on key objectives.
- Excellent verbal and written communication skills.

#### Accessibility and accommodation:

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to [inclusion.switzerland@novartis.com](mailto:inclusion.switzerland@novartis.com) and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Why Novartis: Helping people with disease and their families takes more than innovative science. It

takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally. [Read our handbook \(PDF 30 MB\)](#)

部门

Biomedical Research

Business Unit

Research

地点

Switzerland

站点

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

```
function adjustKalturaPlayer() { var deviceWidth = window.innerWidth ||
```

```
document.documentElement.clientWidth || document.body.clientWidth; var mediaElement =
document.getElementById("kalturaplayer69c0107e4f095175800615"); var mediaContainer =
mediaElement.closest('.nc-kultura-media'); var originalWidth = "1200px"; var originalHeight = "674px";
var originalWidthValue = parseFloat(originalWidth); var originalHeightValue =
parseFloat(originalHeight); var mediaType = "video"; var isResponsive = false; // Get computed styles
of the container element. var parentStyles = window.getComputedStyle(mediaContainer); var
finalWidth = parseFloat(parentStyles.width); if (finalWidth  var config = { targetId:
"kalturaplayer69c0107e4f095175800615", provider: { widgetId: "10m7rm1pm", partnerId:
"2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false,
allowMutedAutoPlay: false, loop: false }, sources: { options: {}, startTime: 0 }, plugins: { download: {
disable: true }, "playkit-js-transcript":{ position: "right", // Default: bottom;( ' left ', ' right', ' top ', 'bottom ' ) to
enable transcript. expandMode: "over", // Default: alongside;( ' alongside', ' hidden ', 'over ' )
expandOnFirstPlay: false, showTime: true, downloadDisabled: false, printDisabled: false, disable:
true } }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu: false },
components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets: ['Playback',
'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
KalturaPlayer.ui.components.Remove } ] } }; config.plugins.preventSeek = { preventSeekForward:
false, preventSeek: false }; config.plugins.floating = { disable: true }; config.plugins.navigation = {
position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; config.plugins['playkit-
js-hotspots'] = { disable: true }; config.plugins['playkit-js-moderation'] = { disable: true };
config.plugins['playkit-js-info'] = { disable: true }; config.plugins.share = { disable: true };
config.ui.uiComponents = []; config.plugins.googleTagManager = {};
config.plugins.googleTagManager.customEventsTracking = {};
config.plugins.googleTagManager.containerId = 'GTM-57RJQ5';
config.plugins.googleTagManager.customEventsTracking.custom = [];
config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents:
false, playlistEvents: false, castEvents: false } };
```

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try { var kalturaPlayer = KalturaPlayer.setup(config); // Add the player to the global array. if (typeof
kalturaPlayerVideos !== 'undefined') { kalturaPlayerVideos.push(kalturaPlayer); } else { var
kalturaPlayerVideos = []; kalturaPlayerVideos.push(kalturaPlayer); } // Load the Player for other
media. kalturaPlayer.loadMedia({entryId: "1_dgfvmafo"}); setTimeout(() => {
setupAutoPause(kalturaPlayerVideos); }, 500); function setupAutoPause(players) {
players.forEach((currentPlayer) => { currentPlayer.addEventListener('play', () => {
players.forEach((otherPlayer) => { if (otherPlayer !== currentPlayer && typeof otherPlayer.pause ===
'function') { otherPlayer.pause(); } })); }); }); } catch (e) { console.error(e.message) }
```



**VIDEO**

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

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3. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Basel-City/Principal-Scientist---Mid-Large-Scale-Oligonucleotide-Synthesis--xRNA-TherapeuticsREQ-10071560-2>
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