

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

Job ID  
REQ-10066548

11月 18, 2025

Switzerland

## 摘要

Location: Basel, Switzerland #onsite

### Role Purpose:

We are seeking a highly motivated and experienced PhD-level scientist to lead our mid/large xRNA synthesis team in Basel. This position requires extensive collaboration within a multidisciplinary environment, bridging research and development to discover and advance innovative siRNA therapies addressing significant unmet medical needs.

## About the Role

### Key Responsibilities

- Oversee a state-of-the-art oligonucleotide synthesis facility, managing both capital and consumables budgets efficiently.
- Lead and guide a team of scientists specializing in oligonucleotide synthesis and purification of oligonucleotides at millimole scale to deliver on our growing siRNA portfolio
- Ensure the delivery of high-quality siRNA products for both in vitro screening and in vivo evaluation within drug candidate pipelines.
- Collaborate with discovery xRNA existing oligonucleotide synthesis teams in Basel as well as in Cambridge
- Provide technical leadership to the scale-up team in the synthesis of oligonucleotides, optimize methodologies and processes to improve efficiencies
- Collaborate with synthetic chemists and project teams to scale up new siRNA chemistries that address critical scientific challenges and facilitate their seamless transition into development.
- Document and effectively communicate results and scientific insights to internal and external stakeholders through patent applications and scientific publications.
- Mentor and support team members by sharing technical expertise and hands-on experience within the work environment.
- Excellent problem solving skills and solution orientated mindset

## Qualifications and Requirements

- A PhD in synthetic chemistry focused on oligonucleotides. 2-3 years experience in the industry setting
- Proven practical experience in oligonucleotide solid phase synthesis and downstream processing with an expertise in a mid/large scale oligo synthesis and in process development.
- Demonstrated leadership abilities and experience developing scientific teams.
- Capacity to promote and implement innovative ideas within a global team context.
- Strong independent problem-solving skills.
- Proven collaborative attitude
- Proficiency in managing multiple priorities effectively while maintaining focus where necessary.
- Excellent verbal and written communication abilities.

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

## 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("kalturaplayer6980ef0edf38d996830947"); var mediaContainer =  
mediaElement.closest('.nc-kaltura-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 < originalWidthValue) {  
var config = { targetId:  
"kalturaplayer6980ef0edf38d996830947", provider: { widgetId: "10m7rm1pm", partnerId:  
"2076321", uiConfd: "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: "1dgfvmafo"}); 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

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