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

Job ID
REQ-10066548

11   18, 2025

Switzerland

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 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: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

Biomedical Research

Business Unit
Research

Switzerland

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("kalturaplayer696e7547d6d11039248363"); 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   var config = { targetId:
"kalturaplayer696e7547d6d11039248363", provider: { widgetId: "1Om7rm1pm", partnerId:
"2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false,
allowMutedAutoPlay: false, loop: false }, sources: { options: {}, startTime: O }, 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) }
```

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