

Expert Engineering - Medical Device Development

Job ID

REQ-10068431

12月 11, 2025

Switzerland

摘要

Location: Basel, Switzerland #onsite

Role Purpose:

At Novartis, we are reimagining medicine to improve and extend people's lives. We discover and develop breakthrough treatments and find new ways to bring cures to as many people as possible. Without safe, easy-to-use, high-quality drug delivery devices our patients could not get their medicines. This is where you come in; the Device Technology Solution Center is looking for a Senior Design Engineer for the development of drug device combination products.

The aim is to develop a new Auto-injector platform from early phase development to market launch.

About the Role

Your Responsibilities:

Your responsibilities include, but are not limited to:

- Work on Platform development and participate to project activities in cross-functional teams for easy-to-use, safe and robust products
- Participate to the complete development process of medical devices (ideation, brainstorming, prototyping, piloting and transfer to manufacturing)
- Create and review IP
- Create, manage and maintain CAD, 3D and drawings
- Create, manage and maintain Tolerance Analysis
- Size and specify plastic and metallic components
- Work with third party suppliers, including prototyper, tool makers, CMOs
- Manage testing and characterization for acceptance, compliance, performance etc., and suggest improvements
- Perform root cause analysis and develop robust solutions to prevent re-occurrence
- Ensure components are delivered and controlled to the required quality for clinical trials and commercial production
- Write key design history file documents: design input requirements, component specifications and design verification documents. Ensure device design development is delivered to a high quality

Role Requirements

- Degree in mechanical engineering or equivalent
- Preferably 3 years of experience in medical device development
- Proficient spoken communication and excellent technical writing skills in English
- Experience in designing plastic and metal components; tolerance analysis; metrology; lab testing
- Experience in material qualification
- Good knowledge in design for manufacturing and assembly
- Good knowledge in key regulations and standards (e.g. ISO23098, ISO 11608, ISO 10993, MDR, Design Controls)
- Design History File documentation
- Ability to interact with cross functional team in matrix organization
- Minimum 80% on site work - 4 days/week

Commitment to Diversity & Inclusion:

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

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
Development

Business Unit
Development

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("kalturaPlayer6981eb2414e1e678085857"); 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:
    "kalturaPlayer6981eb2414e1e678085857", provider: { widgetId: "10m7rm1pm", partnerId:
    "2076321", uiConId: "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')
      enableTranscript: true, 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 } };

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.

Job ID
REQ-10068431

Expert Engineering - Medical Device Development

[Apply to Job](#)



Job ID
REQ-10068431

Expert Engineering - Medical Device Development

[Apply to Job](#)

Source URL:

<https://prod1.novartis.com.cn/careers/career-search/job/details/req-10068431-expert-engineering-medical-device-development>

List of links present in page

1. <https://www.novartis.com/about/strategy/people-and-culture>
2. <https://www.novartis.com/sites/novartiscom/files/novartis-life-handbook.pdf>
3. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Basel-City/Expert-Engineering---Medical-Device-DevelopmentREQ-10068431>
4. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Basel-City/Expert-Engineering---Medical-Device-DevelopmentREQ-10068431>