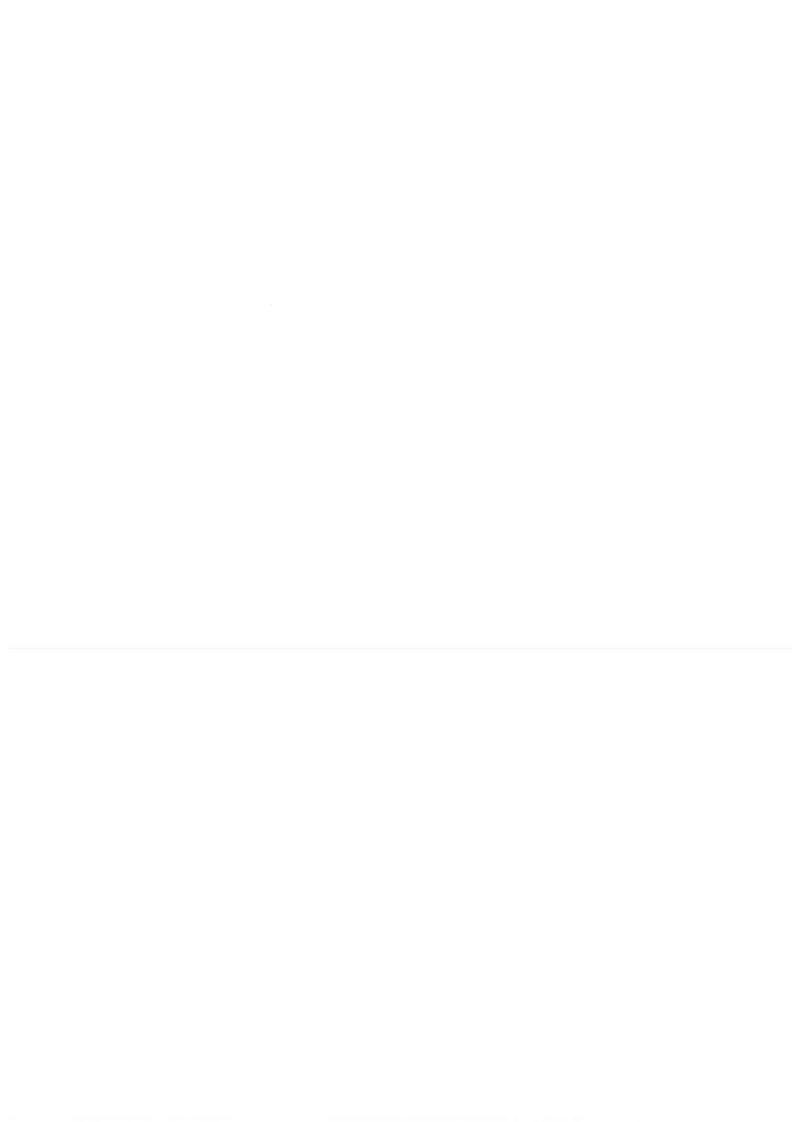
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## BIONTECH

Our suppliers, licensors or collaborators could also be disrupted by conditions related to COVID-19, or other epidemics, possibly resulting in disruption to our supply chain, clinical trials, partnerships or operations. If our suppliers, licensors, CROs or collaborators are unable or fail to fulfill their obligations to us for any reason, our business could be adversely affected. Our customers could also be disrupted by conditions related to COVID-19 or other epidemics, possibly through deferring purchasing decisions or delaying research programs.

At this point in time, there is uncertainty relating to the potential effect of COVID-19 on our business. Infections may become more widespread and a significant health epidemic could adversely affect the economies and financial markets of many countries, resulting in an economic downturn that could affect demand for our products and services or our ability to raise capital, which could have a material adverse effect on our business, operating results and financial condition.

Our insurance policies are expensive and protect us only from some business risks, which leaves us exposed to significant uninsured liabilities.

We do not carry insurance for all categories of risk that our business may encounter and insurance coverage is becoming increasingly expensive. We do not know if we will be able to maintain existing insurance with adequate levels of coverage, and any liability insurance coverage we acquire in the future may not be sufficient to reimburse us for any expenses or losses we may suffer. If we obtain marketing approval for any product candidates that we or our collaborators may develop, we intend to acquire insurance coverage to include the sale of commercial products, but we may be unable to obtain such insurance on commercially reasonable terms or in adequate amounts. We currently maintain insurance coverage for losses relating to an interruption of our development, manufacturing or commercialization efforts caused by contamination in an amount of €50,000,000 per claim up to an aggregate cap of €160,000,000 in any two-year period, and the coverage or coverage limits of our insurance policies may not be adequate. If our losses exceed our insurance coverage, our financial condition would be adversely affected. In the event of contamination or injury, we could be held liable for damages or be penalized with fines in an amount exceeding our resources. Clinical trials or regulatory approvals for any of our product candidates could be suspended, which could adversely affect our results of operations and business, including by preventing or limiting the development and commercialization of any product candidates that we or our collaborators may develop.

Additionally, operating as a public company has made it more expensive for us to obtain director and officer liability insurance. As a result, it may be more difficult for us to attract and retain qualified individuals to serve on our Supervisory Board, our board committees or our Management Board.

## Risks Related to our Business

Our business is dependent on the successful development, regulatory approval and commercialization of product candidates based on our technology platforms. If we and our collaborators are unable to obtain approval for and effectively commercialize our product candidates for the treatment of patients in their intended indications, our business would be significantly harmed.

Even if we complete the necessary preclinical studies and clinical trials, the marketing approval process is expensive, time-consuming and uncertain, and we may not be able to obtain approvals for the commercialization of any product candidates we may develop. Any immunotherapy we may develop and the activities associated with its development and commercialization, including design, testing, manufacture, recordkeeping, labeling, storage, approval, advertising, promotion, sale and distribution, are subject to comprehensive regulation by the FDA and by comparable global health authorities. To obtain the requisite regulatory approvals to commercialize any of our product candidates, we and our collaborators must demonstrate through extensive preclinical studies and clinical trials that our products are safe and effective, including in the target populations. Successful completion of clinical trials is a prerequisite to submitting a biologics license application, or BLA, or a new drug application, or NDA, to

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the FDA, a Marketing Authorization Application, or MAA, to the EMA, and similar marketing applications to comparable global regulatory authorities, for each product candidate and, consequently, the ultimate approval and commercial marketing of any product candidates.

Failure to obtain marketing approval for a product candidate will prevent us from commercializing the product candidate in a given jurisdiction. We have not received approval to market any biopharmaceutical product candidates from regulatory authorities in any jurisdiction, and it is possible that none of our product candidates, or any product candidates we may seek to develop in the future, will ever obtain regulatory approval. We have limited experience in filing and supporting the applications necessary to gain marketing approvals and may need to rely on third-party contract research organizations, or CROs, regulatory consultants or collaborators to assist us in this process. To our knowledge, there is no current precedent for an mRNA-based immunotherapy such as the type we are developing being approved for sale by the FDA, European Commission or any other regulatory agency elsewhere in the world. Although we expect to submit BLAs for our mRNA-based product candidates in the United States, and in the European Union, mRNA therapies have been classified as gene therapy medicinal products, other jurisdictions may consider our mRNA-based product candidates to be new drugs, not biologics or gene therapy medicinal products, and require different marketing applications. Securing regulatory approval requires the submission of extensive preclinical and clinical data and supporting information to the various regulatory authorities for each therapeutic indication to establish the product candidate's safety and efficacy. Securing regulatory approval also requires the submission of information about the product manufacturing process to, and inspection of manufacturing facilities by, the relevant regulatory authority. Any product candidates we develop may not be effective, may be only moderately effective, or may prove to have undesirable or unintended side effects, toxicities or other characteristics that may preclude our obtaining marketing approval or prevent or limit commercial use.

The process of obtaining marketing approvals in the United States, the European Union and elsewhere, is expensive, may take many years if additional clinical trials are required, if approval is obtained at all, and can vary substantially based upon a variety of factors, including the type, complexity and novelty of the product candidates involved. Changes in marketing approval policies during the development period, changes in or the enactment of additional statutes or regulations, or changes in regulatory review for each submitted product application may cause delays in the approval or rejection of an application. The FDA, EMA and comparable authorities in other countries have substantial discretion in the approval process and may refuse to accept any application or may decide that the data are insufficient for approval and require additional preclinical, clinical or other trials. In addition, varying interpretations of the data obtained from preclinical and clinical testing could delay, limit or prevent marketing approval of a product candidate. Any marketing approval we ultimately obtain may be limited or subject to restrictions or post-approval commitments that render the approved product not commercially viable. Additional delays or non-approval if an FDA panel of experts, referred to as an Advisory Committee, or other regulatory authority recommends non-approval or restrictions on approval. In addition, we may experience delays or rejections based upon additional government regulation from future legislation or administrative action, or changes in regulatory agency policy during the period of product development, clinical trials, and the review process.

Regulatory agencies also may approve an immunotherapy for fewer or more limited indications than requested or may grant approval subject to the performance of post-marketing studies. In addition, regulatory agencies may not approve the labeling claims that are necessary or desirable for the successful commercialization of our product candidates.

The FDA, EMA and other regulatory agencies review the Quality or Chemistry, Manufacturing and Controls, or CMC, section of regulatory filings. Any aspects found unsatisfactory by regulatory agencies may result in delays in clinical trials and commercialization. In addition, the regulatory agencies typically conduct pre-approval inspections at the time of a BLA, MAA or comparable filing. Any findings by regulatory agencies and failure to comply with requirements may lead to delay in approval and failure to commercialize the potential mRNA product candidate.

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revenues could be materially impaired. considerations, the commercial prospects for those product candidates could be harmed, and our ability to generate because our preclinical studies and clinical trials have not been designed with specific commercialization materially impaired. Additionally, even if we are successful in obtaining marketing approval for product candidates, commercial prospects for those product candidates will be harmed, and our ability to generate revenues will be If we experience delays in obtaining, or if we fail to obtain, approval of any product candidates we may develop, the

category of therapeutics. wen sinis development and regulatory risks due to the novel and unprecedented nature of this new No mRNA immunotherapy has been approved, and none may ever be approved. mRNA drug development has

the clinic or clinical holds, or fail to reach the market for many reasons, including: product candidates that appear promising in the early phases of development may fail to advance, experience delays in which are beyond our or their control. To date, there has never been a commercialized mRNA-based product. Our immunotherapies by either us or our collaborators is highly uncertain and depends on numerous factors, many of date by the FDA, EMA or other regulatory agency. Successful discovery and development of mRNA-based (and other) As a potential new category of therapeutics, to our knowledge, no mRNA immunotherapies have been approved to

- discovery efforts aimed at identifying potential immunotherapies may not be successful;
- nonclinical or preclinical study results may show product candidates to be less effective than desired or have
- clinical trial results may show the product candidates to be less effective than expected, including a failure to harmful or problematic side effects;
- manufacturing failures or insufficient supply of GMP materials for clinical trials, or higher than expected cost meet one or more endpoints or have unacceptable side effects or toxicities;
- our improvements in the manufacturing processes may not be sufficient to satisfy the clinical or commercial could delay or set back clinical trials, or make our product candidates commercially unattractive;
- changes that we make to optimize our manufacturing, testing or formulating of GMP materials could impact demand of our product candidates or regulatory requirements for clinical trials;
- pricing or reimbursement issues or other factors could delay clinical trials or make any immunotherapy the safety, tolerability and efficacy of our product candidates;
- with the FDA or the EMA, a regulatory request for additional nonclinical or clinical data, or safety requirements for data analysis, data integrity issues, BLA, MAA or the equivalent application, discussions trials, withdrawal by trial participants from trials, failure to achieve trial endpoints, additional time receiving such approvals, due to, among other reasons, slow or failure to complete enrollment in clinical the failure to timely advance our programs or receive the necessary regulatory approvals, or a delay in uneconomical or noncompetitive with other therapies;
- being commercialized. the proprietary rights, products and technologies of our competitors may prevent our immunotherapies from formulation or manufacturing issues may lead to our inability to obtain sufficient funding, and

therapy products. Moreover, the length of time necessary to complete clinical trials required for gene therapy products or therapies that are not individualized or may require safety testing like gene studies required for the approval of these types of medicines have not been established, may be different from those different combination of mRNAs, remains particularly unsettled. The number and design of the clinical and preclinical pathway for an individualized therapy, such as our iNeST mRNA-based immunotherapy where each patient receives a approved, the regulatory pathway in the United States and may other jurisdictions for approval is uncertain. The immunotherapies despite the differences in mechanism. In addition, because no mRNA-based product has been DNA. Side effects observed in other gene therapies, however, could negatively impact the perception of alter cell DNA and may cause certain side effects, mRNA-based medicines are designed not to irreversibly change cell Currently, mRNA is considered a gene therapy product by the FDA. Unlike certain gene therapies that irreversibly

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