DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration

[Docket No. FDA–2017–N–6716]

New Insights for Product Development and Bioequivalence Assessments of Generic Orally Inhaled and Nasal Drug Products; Public Workshop; Request for Comments

AGENCY: Food and Drug Administration, HHS.

ACTION: Notice of public workshop; request for comments.

SUMMARY: The Food and Drug Administration (FDA, the Agency, or we) is announcing the following public workshop entitled “New Insights for Product Development and Bioequivalence Assessments of Generic Orally Inhaled and Nasal Drug Products.” The purposes of the workshop are to present the outcomes from the research projects conducted under the Generic Drug User Fee Amendments (GDUFA) Regulatory Science Research Program; discuss how regulatory science initiatives have helped address regulatory science knowledge gaps by providing insights on factors that influence the performance of generic orally inhaled and nasal drug products (OINDPs); share the Agency’s experience on the utility of novel analytical tools and methods developed under the regulatory science initiative for generic OINDP product development and bioequivalence assessments; and obtain input from the public on what, when, where, and how analytical methods and procedures should be applied in the development and review of abbreviated new drug applications (ANDAs) for complex OINDPs.

DATES: The public workshop will be held on January 9, 2018, from 8:30 a.m. to 4:30 p.m. Individuals who wish to attend the workshop must register by December 30, 2017. Submit either electronic or written comments on this public workshop by February 14, 2018. See the SUPPLEMENTARY INFORMATION section for registration date and information.

ADDRESSES: The public workshop will be held at FDA White Oak Campus, 10903 New Hampshire Ave., Bldg. 31 Conference Center, the Great Room (Rm. 1503 B+C), Silver Spring, MD 20993–0002. Entrance for the public workshop participants (non-FDA employees) is through Building 1, where routine security check procedures will be performed. For parking and security information, please refer to https://www.fda.gov/AboutFDA/WorkingatFDA/BuildingsandFacilities/WhiteOakCampusInformation/ucm241740.htm.

You may submit comments as follows. Please note that late, untimely filed comments will not be considered. Electronic comments must be submitted on or before February 14, 2018. The https://www.regulations.gov electronic filing system will accept comments until midnight Eastern Time at the end of February 14, 2018. Comments received by mail/hand delivery/courier (for written/paper submissions) will be considered timely if they are postmarked or the delivery service acceptance receipt is on or before that date.

Electronic Submissions
Submit electronic comments in the following way:

• Federal eRulemaking Portal: https://www.regulations.gov. Follow the instructions for submitting comments. Comments submitted electronically, including attachments, to https://www.regulations.gov will be posted to the docket unchanged. Because your comment will be made public, you are solely responsible for ensuring that your comment does not include any confidential information that you or a third party may not wish to be posted, such as medical information, your or anyone else’s Social Security number, or confidential business information, such as a manufacturing process. Please note that if you include your name, contact information, or other information that identifies you in the body of your comments, that information will be posted on https://www.regulations.gov.

• If you want to submit a comment with confidential information that you do not wish to be made publicly available, submit your comments only as a written/paper submission. You should submit two copies total. One copy will include the information you claim to be confidential with a heading or cover note that states “THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION.” The Agency will review this copy, including the claimed confidential information, in its consideration of comments. The second copy, which will have the claimed confidential information redacted/blacked out, will be available for public viewing and posted on https://www.regulations.gov. Submit both copies to the Dockets Management Staff. If you do not want your name and contact information to be made publicly available, you can provide this information on the cover sheet and not in the body of your comments and you must identify this information as “confidential.” Any information marked as “confidential” will not be disclosed except in accordance with 21 CFR 10.20 and other applicable disclosure law. For more information about FDA’s posting of comments to public dockets, see 80 FR 56469, September 18, 2015, or access the information at: https://www.gpo.gov/fdsys/pkg/FR-2015-09-18/pdf/2015-23389.pdf.

Docket: For access to the docket to read background documents or the electronic and written/paper comments received, go to https://www.regulations.gov and insert the docket number, found in brackets in the heading of this document, into the “Search” box and follow the prompts and/or go to the Dockets Management Staff, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852.

• For written/paper comments submitted to the Dockets Management Staff, FDA will post your comment, as well as any attachments, except for information submitted, marked and identified, as confidential, if submitted as detailed in “Instructions.”

Instructions: All submissions received must include the Docket No. FDA–2017–N–6716 for “New Insights for Product Development and Bioequivalence Assessments of Generic Orally Inhaled and Nasal Drug Products.” Received comments, those filed in a timely manner (see ADDRESSES), will be placed in the docket and, except for those submitted as “Confidential Submissions,” publicly viewable at https://www.regulations.gov or at the Dockets Management Staff between 9 a.m. and 4 p.m., Monday through Friday.

Confidential Submissions—To submit a comment with confidential information that you do not wish to be made publicly available, submit your comments only as a written/paper submission. You should submit two copies total. One copy will include the information you claim to be confidential with a heading or cover note that states “THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION.” The Agency will review this copy, including the claimed confidential information, in its consideration of comments. The second copy, which will have the claimed confidential information redacted/blacked out, will be available for public viewing and posted on https://www.regulations.gov. Submit both copies to the Dockets Management Staff. If you do not want your name and contact information to be made publicly available, you can provide this information on the cover sheet and not in the body of your comments and you must identify this information as “confidential.” Any information marked as “confidential” will not be disclosed except in accordance with 21 CFR 10.20 and other applicable disclosure law. For more information about FDA’s posting of comments to public dockets, see 80 FR 56469, September 18, 2015, or access the information at: https://www.gpo.gov/fdsys/pkg/FR-2015-09-18/pdf/2015-23389.pdf.

Docket: For access to the docket to read background documents or the electronic and written/paper comments received, go to https://www.regulations.gov and insert the docket number, found in brackets in the heading of this document, into the “Search” box and follow the prompts and/or go to the Dockets Management Staff, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852.

For electronic submissions, files must be submitted in .pdf, .txt, or .doc format. Files must be no larger than 10 MB. If you want to submit a comment with confidential information that you do not wish to be made publicly available, submit your comments only as a written/paper submission. You should submit two copies total. One copy will include the information you claim to be confidential with a heading or cover note that states “THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION.” The Agency will review this copy, including the claimed confidential information, in its consideration of comments. The second copy, which will have the claimed confidential information redacted/blacked out, will be available for public viewing and posted on https://www.regulations.gov. Submit both copies to the Dockets Management Staff. If you do not want your name and contact information to be made publicly available, you can provide this information on the cover sheet and not in the body of your comments and you must identify this information as “confidential.” Any information marked as “confidential” will not be disclosed except in accordance with 21 CFR 10.20 and other applicable disclosure law. For more information about FDA’s posting of comments to public dockets, see 80 FR 56469, September 18, 2015, or access the information at: https://www.gpo.gov/fdsys/pkg/FR-2015-09-18/pdf/2015-23389.pdf.

Docket: For access to the docket to read background documents or the electronic and written/paper comments received, go to https://www.regulations.gov and insert the docket number, found in brackets in the heading of this document, into the “Search” box and follow the prompts and/or go to the Dockets Management Staff, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852.
the development of tools beneficial to both industry and FDA for developing and assessing generic OINDPs. Several external and internal research projects have been initiated under the GDUFA Regulatory Science Research Program. The outcomes from these research studies have provided valuable insight about the factors influencing the performance of OINDPs and have helped the Agency fill regulatory science gaps in this area. For instance, advanced modeling tools developed under this initiative, such as CFD and PBPK, can provide insights about patient-device interactions and information about both local and systemic bioavailability, which can better characterize critical device and formulation attributes to further our understanding of generic drug-device combination products. Clinically relevant mouth-throat and nasal models are another example of this research which have shown good in vivo correlations in predicting regional drug deposition; these physical models allow us to predict the impact of certain performance characteristics of OINDPs on regional drug deposition in a realistic manner, potentially without the need for conducting comparative clinical endpoint studies. Similarly, Morphologically Directed Raman Spectroscopy (MDRS), a novel particle sizing method explored under the initiative, has shown promise in differentiating nasal suspension formulations of different drug particle sizes, and has opened the possibility of a new regulatory pathway for the approval of generic nasal suspension products without the need to conduct a comparative clinical endpoint study. Another research outcome developed under the science initiative for OINDPs has been work involving in-vitro dissolution methods, which are providing insights on the bridge between local drug deposition and its downstream systemic bioavailability. Our enhanced understanding about OINDPs from these regulatory science-based initiatives have informed us during the development of product-specific guidances for OINDPs, resulting in the publication of more than 39 product-specific guidance documents since the implementation of GDUFA in 2012.

To enhance communication of recent advances, including those supported by GDUFA funds, FDA plans to hold a public workshop on new analytical methods and assessment criteria for characterization of OINDPs.

II. Purpose and Scope of the Workshop
The purposes of the workshop are as follows:
1. To present the outcomes from the research projects initiated under the GDUFA Regulatory Science Research Program;
2. To discuss how regulatory science initiatives have helped address regulatory science gaps by providing insight on factors that influence the performance of OINDPs;
3. To share the Agency's experience on the utility of novel analytical tools and methods developed under the regulatory science initiative for OINDP product development and bioequivalence assessments; and
4. To obtain input from the public on what, when, where, and how analytical methods and procedures should be applied in the development and review of complex OINDP ANDAs for therapeutic equivalence.

The scope of the workshop covers the current status of methods for characterization and bioequivalence evaluation of generic OINDPs.

The focus of this public workshop is on the evaluation of these new methods for characterizing and demonstrating therapeutic equivalence of OINDPs, including discussing the areas in which these methods may significantly contribute to generic product development and regulatory understanding, how and under what conditions the methods should be conducted and evaluated, and inherent scientific challenges with this complex class of products.

Public input will improve FDA's current understanding of present and future methods available for evaluating OINDP therapeutic equivalence. The knowledge gained through this workshop discussion will be summarized and disseminated to the scientific community by publication(s).

III. Scope of Public Input Requested
FDA seeks input from the public on when, where, and how to utilize new methods for development of generic OINDPs and in the regulatory review of bioequivalence. Specific topics to be addressed include:
1. Identifying the areas in which new in vitro and computational methods can contribute to the development of generic OINDPs;
2. Discussing how in vitro testing for demonstrating OINDP therapeutic equivalence should be conducted and evaluated; and
3. Addressing the scientific challenges in assessing critical quality attributes of OINDPs and in developing new
methods for demonstrating ONINDP therapeutic equivalence.

Registration: Persons interested in attending this public workshop must register online by December 30, 2017, by going to https://www.fda.gov/Drugs/NewsEvents/ucm576064.htm. Please provide complete contact information for each attendee, including name, title, affiliation, address, email, and telephone. The workshop agenda and other background materials will be available approximately 2 weeks before the workshop at https://www.fda.gov/Drugs/NewsEvents/ucm576064.htm. The agenda will include time for questions and answers throughout the day and for general comments and questions from the audience following panel discussions.

Registration is free and based on space availability, with priority given to early registrants. Persons interested in attending this public workshop must register by December 30, 2017, midnight Eastern Time. Early registration is recommended because seating is limited; therefore, FDA may limit the number of participants from each organization. If time and space permit, on-site registration on the day of the public workshop will be provided beginning at 8:30 a.m.

If you need special accommodations due to a disability, please contact Renishkumar Delvadia no later than December 30, 2017.

Streaming Webcast of the public workshop: This public workshop will also be webcast. A live webcast of this workshop will be viewable at https://collaboration.fda.gov/r19dj3j3yfsf/) on the day of the workshop. A video record of the workshop will be available at the same web address for 1 year. If you have never attended a Connect Pro event before, test your connection at https://www.adobe.com/support/meeting_collaboration.fda.gov/common/help/en/overview.

In a quick overview of the Connect Pro program, visit https://www.adobe.com/go/connectpro_overview. FDA has verified the website addresses in this document, as of the date this document publishes in the Federal Register, but websites are subject to change over time.


Leslie Kux,
Associate Commissioner for Policy.

BILLING CODE 4164–01–P