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The Spanish Influenza Pandemic of 1918–1919

Perspectives from the Iberian Peninsula and the Americas

Edited by María-Isabel Porras-Gallo and Ryan A. Davis

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Introduction

Emerging Perspectives of the Spanish Influenza Pandemic of 1918–19

María-Isabel Porras-Gallo and Ryan A. Davis

to isolate a flu virus from humans. the flu.² Not until 1933 were Patrick Laidlaw and his team able successfully conclusive evidence that it was the microorganism responsible for causing On the heels of the nineteenth century's last large-scale flu epidemic in cholera (1884), anthrax (1877), and tuberculosis (1882), and it was widely major blow to what Eugenia Tognotti has called the "scientific triumphastep closer to unlocking the mysteries of a disease that in 1918 dealt the first the first partial genetic sequencing of the virus's RNA, bringing science one sons alike. In 1997 pathologist Jeffery Taubenberger and his team published manded an increasing amount of attention from professionals and layper for Pfeiffer's bacillus failed to materialize, as laboratory studies produced no universally accepted, and during the 1918-19 pandemic, the definitive case influenzae, the bacillus later named after him. But his hypothesis was not 1892, Richard Pfeiffer proposed that influenza was caused by Haemophilus pathogenic agent of influenza. Moreover, a likely candidate already existed. believed that laboratory trials would finally result in the isolation of the the recent and astounding discoveries of the causative agents of diseases like lism" of the germ theory of disease. The year 1918 was an era marked by Over the past decade the Spanish influenza pandemic of 1918-19 has com-

Despite the importance of Laidlaw's discovery, it was merely the first step in addressing the many peculiarities of the Spanish flu. Although the pathogen responsible for causing influenza had been identified, numerous

Ricardo Jorge and the Construction of a Medico-Sanitary Public Discourse

Portugal and International Scientific Networks

Maria de Fátima Nunes

of the religious occurrence of 1917 known as the "Fátima miracle"). 1 Only Cardoso or the death of the young Francisco Marto, one of the witnesses have kept the tragedy alive (e.g., the death of the painter Amadeu de Sousa with the exception of family oral history and specific social contexts that Portuguese historiography and in public opinion circles has been sparse, Spanish flu-on Portuguese society, the memory of the pandemic in Despite the impact of the peste pneumónica—the Portuguese term for the demic experience in Portugal. Paulo Girão and João José Cúcio Frada comrecently have scholars begun to offer a more systematic picture of the panof the Institute of Social Sciences at Lisbon University (ICS) have recently the pandemic experience on the international scene.2 Sobral and colleagues pare the extension and consequences of the pandemic in the Algarve region sequences, medical discourses, images, attitudes, and representations of the published a collection of interdisciplinary essays on the history of the pesto health official at the time in his capacity as director geral da sáude (director points to the central role of Ricardo Jorge, the country's preeminent public our understanding of the Spanish flu in Portugal, but much of it invariably and creative literature-not only does this recent scholarship elucidate ing national and local newspapers, municipal archives, the medical press, pandemic event.3 In adducing a broad sample of primary materials—includ pneumónica that deal with such matters as development, demographic com (in southern Portugal) and Leiria (in western Portugal), respectively, with

минсту), which, unlike the traditional Medical Faculty of Coimbra, was інн his degree from the Escola Médico Cirúrgica (School of Medicine and іны point in his scientific pursuits. In 1884 he began a lecture series titled While abroad, his professional contact with Louis Pasteur proved a turn-Changica of Oporto in 1880 and went to Strasburg and Paris-where he ilimentation on neurology, Jorge became professor at the Escola Médico lamous for its modern scientific training.⁵ After presenting his graduate munded Jean-Martin Charcot's lectures-for further medical training. Pille Iberian Peninsula. ** hygienist during the bubonic plague that frightened the city and the Thurgica of Oporto. Four years later, in 1899, he played an important role Molloma Legal (Hygiene and Forensic Medicine) at the Escola Médico minury focus was hygiene. 6 In 1895 Jorge became professor of Higiene e III Portuguese Nation), thus launching a professional phase in which his Higiene Social Aplicada à Nação Portuguesa (Social Hygiene Applied to Horn in Oporto in 1858, Jorge studied medicine there, ultimately receiv-

mind after the proclamation of the Portuguese Republic in 1910.8 Jorge and public health in a scientific way. The institute would later be reorga-Turman models with the aim of promoting the development of hygiene alao belonged to Petrus Nonius—a Portuguese group for the history of sci-Highene (Central Institute for Hygiene), a state department inspired by the three largest cities of Portugal: Oporto, Coimbra, and Lisbon. 10 His many minuce. In 1934 he formed part of the organizing committee for the Third the affiliated with Archeion, an international network for the history of manue is reflected in his position as a member of the Faculty of Medicine mattornal recognition as an epidemiologist and a hygienist. 12 His national I program of intensive scientific activity that won him national and intermilliant career in systematizing public health in Portugal, he maintained miblic hygiene, history of medicine, and literary criticism. 11 Alongside his miblications evince a wide-ranging interest in a number of fields, including humanional Congress of the History of Science, which took place in the mined the Portuguese public health institutions at foreign missions during ii Inhon University, a post from which he retired in 1929. Jorge also repreund the dictatorship of the New State (Estado Novo) (1926–39). 13 harr decades of the monarchy (1899–1910), the First Republic (1912–26), At the turn of the century, Jorge helped found the Instituto Central de

Indore the influenza pandemic struck in 1918, Jorge had already multide significant epidemiological experience in the 1894 cholera epidemic in Lisbon and the 1899 bubonic plague epidemic in Oporto. ¹⁴ In multillon, he had edited (in French) a study of the impact of malaria in continual Portugal. By 1918 Jorge occupied the position of director of the timulal of Superior de Higiene (High Council for Hygiene), renamed the limitation Geral de Saúde Pública (Directorate General of Public Health).

from Spain to the Atlantic coast, seeing as these were the two main entry points of the epidemic into Portugal. $^{\rm 59}$ sions and reducing attendance to mass and liturgy events.) It was not until ommendations, and official positions issued by the Conselho Superior de continued to reflect the impact and the application of the measures, recnewspaper reported the spread of the epidemic from south to north and appear, as mentioned previously. With autumn temperatures dropping, the September that news of the first victims of the peste pneumónica began to phylactic measures, Jorge had recommended prohibiting fairs and proces-Higiene, which were recorded in Jorge's text of June 18, 1918. (As pro-

able for medical and sanitary reasons, they also proved useful as tools and economic agitation, as witnessed not only by the presidential dicchapter 4, the context of 1918 Portugal was one of great political, social contact or public gatherings.⁴⁰ Although these measures were justifitary habits and routines, including isolating oneself and avoiding social to educate the population—collectively and individually—in certain sanito contain public opinion in order to avoid generalized social panic and 25, 1918, were published repeatedly during the months of October and interest in provoking popular unrest in these circumstances, and the Português in the fields of La Lys. Portuguese authorities thus had little for political power. As noted in the introduction to this volume and in November in official statements and informative articles. The goal was time for political change. 41 the military phase of the First Republic, had run its course and it was Coimbra, Evora, and Lisbon. The general sentiment was that Sidonismo. price of food was followed by various cases of social unrest in Aveiro population, the distribution of ration coupons as well as the rise in the ferent political regimes. But despite official efforts to calm the general in this regard may explain why he was able to survive under such diftion as a man of science with the knowledge and tools to help authorities public health measures they advocated served these ends. Jorge's reputa-War I, notably with the defeat in April 1918 of the Corpo Expedicionário tatorship of Sidónio Pais but also by Portugal's participation in World The measures put forward by Jorge in his official note of September

such as "the epidemic is dying down" and "authorities are successfully eral, newspapers sought to avoid panic, reassuring their readers with phrases as a means to advertise their cosmetic and pharmaceutical products. In gen da Moda (a perfumery) and the Farmácia Estácio (a pharmacy) saw the flu about prophylactic measures. 42 Certain businesses such as the Perfumaria Saúde Pública (Directorate General of Public Health), and information numerous front-page stories, official statements by the Direcção Geral de of news coverage of the peste pneumónica. O Século, for example, published As in other areas of the world, the month of October saw the most amount

> sary actions; measures taken."45 combating the epidemic and providing assistance to those affected by it" going down; assisting those affected by the epidemic; assistance and necesfront page of O Século reads, "the aftermath; the epidemics; numbers keep situation in the various locations hit by the epidemic. On November 6 the ries about the geographic spread of the disease provide an update of the ation to naming the flu pneumónica influenza. 44 A number of different sto-Successful."43 Similarly, some reports linked the official control of the situto Those Affected by the Epidemic" or "Sanitary Measures Have Proven and with news titles such as "Combating the Epidemic: Providing Assistance

must may have insulated him from the intense criticism faced by the political regimes under which he served of his work, especially given the positions he held, his status as primarily a scipractical know-how on epidemics and plagues. 47 Despite the political import tional institutions as a spokesperson on matters concerning theoretical and affairs, representing the country's public health institutions at many internadeath ten days later, marked the symbolic end of news coverage of the epiepidemic had faded from the front page. 46 The attempted assassination of newspapers continued to report on topics such as the assistance provided to Lisbon signaled a shift in public attention away from the epidemic. Although lorge would continue to play an important role in Portuguese public health demic. Nevertheless, in the aftermath of the flu epidemic and World War I, the president of the republic, Sidónio Pais, on December 5, 1918, and his Ilu victims by the Red Cross, the White Cross, and the Portuguese State, the the arrival of the Portuguese Expeditionary Corps at the Cais das Colunas in By mid-November increased news coverage of the end of World War I and

Ricardo Jorge's Alter Ego

thought forum as part of the Sanitary Committee of the League of Nations (Commission Sanitaire des Pays Alliés) in 1919.51 light of the war; issues Jorge would later make reference to in an internain public health.⁵⁰ These were acute criticisms covering both public health spuln was considerably outdated in what regarded the international norms the epidemic."49 According to Dr. Mirandela, this constituted evidence that demic, including the closing of its border with Portugal.⁴⁸ These articles Issues as well as the political context of the Iberian Peninsula, especially in In Ignorance of "proper scientific sanitary prophylactic measures towards of the epidemic. Essentially, Jorge criticized Spain's public health policy for provide important insights into his thinking on public health at the time that addressed certain measures taken by Spain in response to the epi-Under the pseudonym of Dr. Mirandela, Jorge published a series of articles

In an article titled "Diplomatic Problems: Spain Has Closed Its Borders after Creating the 'Sanitary Passport,'" Dr. Mirandela criticized "Spain's Wall of China," in other words, the establishment of a *cordon sanitaire* along the Spanish-Portuguese border to impede the circulation of people between the neighboring states. His rhetoric is sharp and blunt:

The wall that Spain built around Portugal, thus imposing a sanitary blockade, not only prevents the Portuguese from crossing the immediate border into Spain but also from getting to the Pyrenees.... These are ridiculous and vexatious sanitation policies that treat the Portuguese like infected and leprous animals.... Even if we concede that our neighbors are entitled to defend themselves from us on a controversial whim, will their defense mean complete isolation, without a door or an escape hatch? Where has one seen such actions since the Middle Ages? What times are these in which we live? In 1844 when Portugal sought to protect itself from the eradication of cholera from Spain, it resorted to the system of the *cordon sanitaine*, anachronistic even then.... It seems Spain's only goal is to cut us off from France, where cholera is allegedly spreading. Who knows what concerns—other than those related to public health—are involved in this sanitary comedy, where hygiene is but a mask with holes and a game of dominos.⁵²

By preventing the Portuguese from getting to the Pyrenees, Spain effectively and symbolically cut its neighbors off from the border to a cultivated, civilized Europe, mentor for the ideal of progress in public health institutions in general. One consequence of Spain's efforts was that it negatively impacted Portugal's participation in Spain's first National Medical Conference, making it difficult for Portuguese scientists and public health experts to attend and engage their counterparts in scientific dialogue.

war Jorge was selected to represent Portugal on the Sanitary Committee of its precarious neutrality during the war, and fearing a sort of political consons than by a concern for prophylaxis. In 1917 the First Constitutional tices" from a scientific and epidemiological perspective, Jorge concluded pro-Germanic Spanish press successfully took the most pompous measures political weapon at the end of the war: "Exploiting the panic of the flu, the tionist policy vis-à-vis Portugal and thereby using the peste pneumónica as a the League of Nations. It was in this capacity that in March 1919 he accused tagion from Portugal, opted to close its border with its neighbor. After the the state of Portuguese international relations, since the country had begun that Spain's actions were motivated more by political and ideological rea-German scientists and hygienists of encouraging Spain to adopt its isola-World War I on the side of the Allies. Spain, perhaps in an effort to maintain Pais (1872–1918), an avid Germanophile. His political leanings complicated Republic of Portugal was interrupted by the military dictatorship of Sidónio Given that border closings were "ridiculous and vexatious health prac

against those arriving from Allied countries, this, of course, by doing violence to the opinions and advice of Spanish hygienists and, despite their [the hygienists'] protests, rendering them justice. One has reached the extreme point of maintaining the Portuguese border closed and of prohibiting all transit by way of a *cordon sanitaire*, which thus isolates us from overland contact with Europe."53

Ricardo Jorge and the Aftermath of the Peste Pneumónica

Miter the outbreak of the peste pneumónica, Jorge's diplomatic service at the league of Nations as a representative of the Portuguese state enhanced his professional and scientific career.⁵⁴ In this capacity, and at the request of the Miled Council, he prepared a report, *La Grippe*, for the council's international convention. In addition to reviewing information about past flu and other epidemics, the brief thirty-five-page report presented a new idea: "a specific vaccine is the only prophylactic hope to prevent a contagion of this type." In this, Jorge was in agreement with his counterparts elsewhere, such as Manuel Martin Salazar, Spain's director general of health at the time. ⁵⁶

nected Portuguese public health to the broader network of health and of Portugal), evidence the scope of both his geographic travels through tion that can be found at the Espólio da Biblioteca Nacional de Portugal ing away (July 29, 1939), together with the extremely rich documentapublic hygiene as it was then developing in the West. ressional stature. 57 Through his professional labors, he consistently con-Turope, the United States, and Latin America and, by extension, his pro-(Ricardo Jorge Archive, Archives of Portuguese Culture, National Library decades of the twenties and thirties, right up to the moment of his passpublic circles. Moreover, his publications and articles, written over the power and promote the idea of security in national and international visibility as well as a specific forum for expressing his views on matters of plague, it was the peste pneumónica that gave him greater international epidemiological experience began as early as the Oporto outbreak of sidered the most effective measure against epidemics. Although Jorge's ing measures to stimulate social well-being, which was increasingly coninvest more heavily in the domains of health and public hygiene, adopt-New State period of 1926, Jorge worked to legitimate the new political public health: the Division of Health of the League of Nations. After the After World War I and the influenza pandemic, Western states began to

As the vast bibliography written about him attests, Ricardo Jorge led a life filled with public and scientific activities until the day he died. Although his biographers have largely overlooked his involvement in the peste procumónica, the epidemic provided him with an opportunity not only to

monarchy, the First Republic and the New State-he never ceased working Although he lived through three radically different political regimes—the also accepted a position in the Health Division of the League of Nations.⁵⁸ epidemic to the Commission Sanitaire des Pays Alliés in March 1919, he national prestige as a hygienist. In addition to authoring a report on the in Europe. The epidemic experience was also crucial to his growing intertion and public health institutions, an idea that was dominant at the time the role the state should play in the twentieth century in terms of legislaengage in scientific observation and experimentation but also to consider to establish an international network of contacts.

ment of Portuguese society. In many ways he stands at a historical threshold. edge science and the political efforts to apply that science to the improveauthority, Ricardo Jorge became a key figure in mediating between cutting social landscape as somewhat heroic figures. Paul de Kruif immortalized gram (see chapter 9). In such a setting, individuals such as Louis Pasteur, Prior to the epidemic, health care was hardly an integrated, statewide prosee is the crucial role those towering figures of science—and the scientific systems throughout the world. What the case of Ricardo Jorge allows us to individual scientists that would grow in prominence; for if the Spanish flu Robert Koch, and, at least in Portugal, Ricardo Jorge, loomed large on the we call today the modern welfare state. networks they established-played in the slow but steady transition to what pandemic had revealed anything, it was the inadequacies of public health pandemic, however, it was national and international institutions as much as Hunters, published only a few years after the influenza pandemic. After the the heroic persona of some of them in his international bestseller, Microbe Indeed, as a scientific authority who also occupied positions of political

- nered notoriety because of certain prophetic and eschatological elements, includ Marto; and their cousin, Lúcia dos Santos, in Fátima, Portugal. The apparitions gar-May 1917, the Virgin Mary allegedly appeared to Francisco Marto; his sister, Jacinta ing intimations of a coming world war. More details on the "Fátima miracle" can be found in chapter 4 of this volume. 1. On the thirteenth day of the month for six consecutive months beginning in
- epidemiológico com particular análise do concelho de Leiria (Lisbon: Sete Caminhos, 2005) Cúcio Frada, A gripe pneumónica em Portugal continental 1918: Estudo socioeconómico e 2. Paulo Girão, A pneumónica no Algarve (Lisbon: Caleidoscópio, 2003); João José
- experience in Portugal ICS, 2009). Chapter 4 of this volume also expands our knowledge of the epidemic Sousa, A Epidemia esquecida olhares comparados sobre a pneumónica 1918–1919 (Lisbon: 3. José Manuel Sobral, Maria Luísa Lima, Paula Castro, and Paulo Silveira ϵ

mum authority on all public health matters. The situation was the same in Portugal's 4. In the absence of a health minister, the director general of health was the maxi-

de Medicina da Universidade de Lisboa (Faculty of Medicine of the University of Iberian neighbor, Spain. 5. After the proclamation of the republic in 1910 it was renamed Faculdade

Correia, A vida, a obra, o estilo, as lições e o prestígio de Ricardo Jorge (Lisbon: Instituto orge," Jornal da Sociedade das Ciências Médicas 111, no. 4 (1947); Fernando da Silva 6. Augusto Silva Travassos, "A higiene, um grande epidemiologista: Ricardo

Superior de Higiene Dr. Ricardo Jorge, 1960), 3, 189.

Nacional de Higiene (National Institute of Hygiene) that same year. María-Isabel de Sueroterapia, Vacunación y Bacteriología de Alfonso XIII, later renamed Instituto Nacteriología de Alfonso XIII," Dynamis 18 (1998): 81-105. Porras-Gallo, "Antecedentes y creación del Instituto de Sueroterapia, Vacunación y 7. In Spain the bubonic plague epidemic stimulated the creation of the Instituto

8. Sobral, Lima, Castro, and Sousa, Epidemia esquecida olhares, 70.

un cúncia em Portugal no século XX (Lisbon: Casal de Cambra, Caleidoscópio, 2008). 9. Augusto Fitas, Marcial Rodrigues, and Maria de Fátima Nunes, Filosofia e história

International d'Histoire des Sciences (Lisbon: Tipografia Seara Nova, 1935), 1-15. "Intugais," in Conférence faite le 2 octobre 1934 à l'Université de Coimbra, III Congrès 10. Ricardo Jorge, "La médicine et les médecins dans l'expansion mondial des

(1825-90), his close friend and the most famous literary writer of Romanticism in 11. Some of Jorge's literary articles deal with the work of Camilo Castelo Branco

Innua, Epidemia esquecida olhares, 70. 12. José Manuel Sobral, Maria Luísa Lima, Paula Castro and Paulo Silveira e

mitional contexts, see Correia, Vida, 13-16. For more details, see chapter 4 of this 13. On the chronology of Jorge's scientific endeavors in both national and inter-

unto sanitário," Arquivos de Medicina 22, no. 2-3 (2008): 85-90. Ponto, 1899); F. Jorge Alves, "Ricardo Jorge e a saúde pública em Portugal: Um apósha pelo medico municipal R. J. (Porto: Repartição de Saúde e Hygiene da Câmara do 11. Ricardo Jorge, A peste bubónica no Porto, 1899: Seu descobrimento, primeiros trabal

15. Correia, Vida.

untado ao Conselho Superior de Higiene na sessão de 18 de Junho de 1918 (Lisbon: Imprensa Imprensa Nacional, 1918); Jorge, A influenza, nova incursão peninsular: Relatório apre-Allies dans la session de Mars 1919 (Lisbon: Imprimerie Nationale, 1919). un Ional, 1918); Jorge, La grippe, préliminaire présenté à la Commission Sanitaire des Pays 16. Ricardo Jorge, A influenza e a febre dos papatazes: Julho e Agosto de 1918 (Lisbon:

Hauth The League of Nations Organization, 1921-1946 (Frankfurt: Lang, 2009). 17. An interesting book on this topic is Iris Borowy, Coming to Terms with World

the de novembre; épidémie secondaire, estivalo-automnale, de transmission plus lente, munici immédiate, du nom de grippe espagnole. La seconde a sévi de la mi-août à la provinces jours de juin à la mi-juillet 1918.... Elle a été baptisée en raison de sa provspollemiques d'influenza ont passé sur le Portugal. La première s'est fait sentir des His ine first appeared in a French-language publication in Lisbon: "Deux vagues 14. Jorge, Grippe, Frada, Gripe pneumónica. Jorge's initial characterization of the