Off-White: decenetrising Whiteness in tobacco science

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‘Vulnerable’ is sometimes used to refer to specific groups of people who use tobacco products. In bioethics, ‘vulnerable’ denotes a need for protection. In tobacco science, however, the precise nature of vulnerability is commonly undefined. Tobacco programmes may seek to engage ‘vulnerable’ people in programmes that ‘develop capacities’ or ‘build strengths’, implying that people who smoke are deficient in qualities that make other people invulnerable to smoking and the tobacco industry. ‘Vulnerable’ may also simply code for ‘not White’ or ‘off-White’. Some minoritised populations indeed experience specific vulnerabilities (eg, Black people globally, from overpolicing and brutality). The sources of their vulnerabilities are not inextricably but rather extrinsically: systems of oppression that disenfranchise and de-invest in minoritised groups and further institutionalise bias, racism and discrimination. The academic discourse of vulnerability in tobacco science often reflects and perpetuates racialised logic, which can, in turn, marginalise populations most impacted by the tobacco industry-fuelled commercial tobacco epidemic, and contribute to reproducing the inequities we seek to change as health scientists.

There is an urgent need to recognise and mitigate racialised logic to improve tobacco science. As Indigenous peoples (RM, MK) and people racialised as Iranian American (SN), White/Jewish (JPL) and Black (MCG), we recognise that the construction of race and racism are interconnected, intertwined and pervasive across all social systems, including in tobacco science. We focus on race and racism while recognising that critical perspectives can help liberate science from all oppressive structures based on personal characteristics, for example, ethnicity, Indigenousity, nationality, sexual orientation, sex, gender, dis/ability and class. We also recognise that these forms of oppression operate intersectionally with racism in tobacco use, tobacco control, research, evaluation and policy.

HIERARCHIES IN SCIENCE
Racialised logic was produced by White Euro-Western people within institutions of sociopolitical and economic power to elevate White people and centre White Euro-Western knowledge. There is no biological basis for the construct of distinct human ‘races of Man’. The notion is rooted in Christianised ideas of a ‘great chain’ of beings classed and arranged hierarchically from beasts to humans to God. In later schema, European male humans were ranked closest to God, above females and people of non-European origin. This hierarchical human order was used to justify and legitimate colonisation and resource extraction of the peoples and lands of Africa, Asia and later the Americas. Extractive industries and colonial administrations worked alongside Christian institutions (‘God, gold and glory’), with catastrophic impacts on Indigenous and all other peoples who White Christians desired to subjugate. The concept of ‘race’ arose in the 17th/18th centuries CE with the trans-Atlantic slave trade to justify kidnapping and enslaving African children and adults, relegating them to commodities in plantation economies that mass-produced sugar, cotton and commercial tobacco. Enslavement of the Indigenous peoples in the Americas and Oceania followed settlers’ colonial demands for territory, and White settlers’ profit from selling captive Indigenous people and/or forcing their unpaid labour, which continued well into the 20th century and even to present day.

Social scientists—predominantly highly educated White men—were deployed to study colonised people, often working for colonial authorities to enable more control over subject populations. Euro-Western biomedical and psychosocial sciences were used to justify colonialism and enslavement. Some of their methods and constructs used have been discredited, but still appear in scientific discourse, for example, in ‘race norming’ or ‘race conditioning’. A quintessential form of racialised logic is the default White reference group: an expectation that, for example, research examining smoking prevalence among minoritised population groups should compare respective characteristics including smoking prevalence with non-Indigenous White peoples, irrespective of social-structural determinants of health that make White and non-White tobacco use non-comparable. What structures of science perpetuate this centreing and privileging of Whiteness in tobacco control science?

SCIENTIFIC SEGREGATION IN TOBACCO SCIENCE
While smoking and commercial tobacco-related death and disease among elite White Euro-Western people have declined over recent decades, these declines have not commonly been experienced in equal degree by poor and less-educated people racialised as non-White. Nevertheless, the tobacco control scientific community continues to disproportionately comprise the same group that aided in and benefits from the institutionalisation of racialised logic: male, highly educated, and racialised as White. Terms such as ‘vulnerable’, ‘at risk’, ‘minority’ and ‘urban’ are often used in place of racist terms of past eras. When used categorically and uncritically, these terms can diminish the personhood and status of a research participant. Diminished personhood can continue to cause harms and reinforce deficit narratives, ‘othering’ the population of interest devoid of context while inherently reasserting the ‘superiority’ of the academic scientists and, in turn, people racialised as White.

Scientific segregation consolidates White privilege within positions of power in predominantly White academic institutions, and marginalises non-White peoples and knowledge. Euro-Western human sciences borrow heavily from physical sciences, with concepts such as experimentation, contamination, exposure and randomisation applied uncritically to complex social contexts and human experiences. Meanwhile, other theories and methods that are relevant to or appropriate for people who are not racialised as White are discounted and undervalued. For example, Indigenous tobacco science has been routinely excluded from nearly all major academic research institutions in the USA, despite Native Americans having longer histories and relations with...
AN UNNATURAL GAP

As a result of these forms of scientific segregation, we find a widening gap between the predominantly privileged White tobacco research academy and its predominantly socially marginalised non-White subjects. This gap mirrors the exploitative patterns of colonialism, for indeed the livelihoods, careers and institutional privileges of White elite tobacco scientists depend on the populations of non-White and marginalised peoples who use commercial tobacco products. Like colonisation, however, scientific segregation is not accidental, ‘natural’ or ‘organic’, but rather a product of human agency, (re)produced through social hierarchies. Within the science academy, women and non-White people are not only less represented in advanced degree programmes, but dramatically less represented in those programmes in elite institutions.34 35 The consolidation of White male privilege within the academy66 supports the continued reification of white theories and methods as ‘universal’, when in fact these methods and theories are cultural artefacts reflecting privileged White peoples’ beliefs and values. In addition, the academy reproduces itself through structures of power which generally exclude non-White (and non-male) scientists and their scholarship.37

In over 36,000 articles published in top-tier psychology journals between 1974 and 2018, very few articles even mentioned race or racism as topics of research. The majority of editors of these journals were White, and of the few articles that highlighted race, most were written by White authors.35

Segregation results from practices and policies that make certain social spaces ‘exclusive’. In the contexts of real estate, educational institutions and social clubs, exclusiveness has been understood to add ‘value’. The value added to exclusive neighbourhoods in the USA has benefited people who are Christian, wealthy and racialised as White while disadvantaging people who are non-Christian, non-wealthy and/or racialised as non-White.38 Segregation of Indigenous people onto reservations, missions and reserves39 effectively reduced their ability to participate in the cash economy or to own homes, while both implicit and explicit policies segregated Indigenous people in urban neighbourhoods and in educational settings.40 42 Because many academic institutions privilege enrolment of the children of alumni, the legacy of exclusionary policies can endure and continue to perpetuate harms well beyond the overt end of these policies. When scientists are predominantly academics, they will therefore tend to be White elites. Without careful consideration and explicit inclusion of community members, research conducted by White researchers on people who smoke will inevitably be based on an exploitative relationship in which elite White people continue to benefit from segregation.53

HOW CAN WE DO THIS BETTER?

For tobacco-related research to serve all peoples, science must evolve. We cannot achieve this goal without understanding and addressing how racism influences our own logic and the institutions within which scientific knowledge is produced. Actively identifying and implementing institutional and structural changes to disrupt White epistemic oppression and hegemony can support desegregation in tobacco sciences.44 We can and must critically examine exclusionary policies and structures in tobacco control institutions, and reshape our science to be inclusionary. This requires reconsidering, for example: membership qualifications, dues and other costs; organisational and meeting structures; leadership, committees and governance; staffing; funding and scholarships; research conceptualisation, research design, research procedures and ethics review; and dissemination of results. Ethics review boards should be precise in their application of the term ‘vulnerable’ in review and approval.45 46 Rather than simply recycling past years’ programme elements, conference planning groups can assess their processes to minimise biases that privilege specific groups and types of science. Commercial tobacco scientists, funding entities, institutions and publishers must invest in academics, editors, trainees47 48 and mentors who are not White and demonstrably operate outside of White racialised logic. Tobacco researchers should meaningfully engage with anti-racist science and explicitly adopt an anti-racist approach, including Indigenous methodologies and wise practices,9 30 measurement of and mechanisms to address and mitigate racism,52 53 and restorative justice practices in publication. We can practise citational justice by citing Black women,34 54 and queer, Indigenous and/or non-academic writers; credit community partners as lead or co-authors55; re-envision the value of highly racialised journal impact factors and implement metrics for anti-racist science; and publish with open access to ensure that research results are accessible to community members as well as academics.57

MOVING OFF-WHITE

Decentering Whiteness in tobacco research demands critically assessing and interrupting all formations that reproduce inequities. We continue to witness Black excellence in tobacco control, public health and beyond.58 However, we also witness the cumulative burden of commercial tobacco-related death and disease, as we continue to dig graves for our loved ones, with global progress toward tobacco control goals, for example, established in the Framework Convention on Tobacco Control, as yet unattained.59 We need to take the next step, safely placing communities in the lead to foster commercial tobacco- and nicotine-free futures.60

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